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**Title word cross-reference**

\((1,2)\) [BJ13]. \((-2)\) [KO15]. \((1.5 + \epsilon)\) [CWZL08]. \((L, d)\) [CW11, DBR07, Tan14]. 1  
[APPG18]. 1.375 [EH06]. 2  
[BLR15, HZL19, KD15, LBQ\(^{+13}\), SSF18]. 2+  
[LOCMG14]. 3 [ARP\(^{+16}\), BWRF12, CBF\(^{+18}\), GH15, HS15, KSMT19, LQV\(^{+13}\), LHQ\(^{+18}\), NPK\(^{+07}\), RG16, RWH\(^{+10}\), Str11, SSF18, VMD\(^{+08}\), YLH\(^{+15}\), YCZ\(^{+18}\)]. 4  
[LBQ\(^{+13}\), MRC17]. 13 [AAG\(^{+18}\)]. 3  
[YLY\(^{+12}\)]. 4 [BMH\(^{+16}\)]. \(\alpha\) [MRB12]. \(\beta\)  
[AAE11, BMH\(^{+16}\), YXS16]. \(\ell_2\) [JXN\(^{+16}\)]. 4  
[F\(^{2}\)] [BCS11]. \(G\) [LBQ\(^{+13}\)]. \(K\)  
[ARZ\(^{+14}\), PFJ\(^{+19}\), AC12, AFJ12, HC14a, IM14, LMZ14]. \(L_p\) [LLT10]. \(\lambda\) [SPA17]. \(M\)  
[ZWZ16]. \(N\) [LZGZ14, MRK18, KNTB18]. \(O(m \log m)\) [SSS\(^{+15}\)]. \(O(N^2)\) [BHS\(^{+04}\)].  
\(O(n \log n)\) [WLY14]. \(\Omega(n^2/\log n)\) [BE08]. \(P\) [VTGC16, UKV18]. \(q\) [CZX19]. \(R\)  
[MTNH17, Pol13]. \(S\) [SP11].

-Approximation [CWZL08, EH06, HZL19].  
-ATPase [BCFCC13]. -Barrel [YXS16].  
-bounded [KO15]. -Cell [BMH\(^{+16}\)].  
-Content [RKDR10]. -D  
[APPG18, NPK\(^{+07}\)]. -Exemplar [BJ13].  
-means [IM14]. -Median [UKV18]. -mer [HC14a, LMZ14, PFJ\(^{+19}\)]. -motif  
[Tan14, CW11]. -Omic [Ano12a]. -Peptide [KNTB18]. -Quadruplexes [LBQ\(^{+13}\)].  
shortest [ARZ+14]. -time [SSS+15].
-Transform [SP11]. -Values [VTGC16].

/K [BCFCC13].


3’ [MSH+11]. 3b [LGN+19]. 3ST [HS08].

7th [GJH19].

9 [LFZ+19].


[SLS+14]. Aggregation [APP18, BRF17, GSC17, SM12, SPMB13, YOK10]. Aging [TC13, YFCM17, FZM15]. Agnostic [AALD17]. Agreement [BM06, GB10, RBdIVMP16, SCPS12]. Aided [gCLL+10, MVS+13]. Airflow [RSCX18]. Airway [RSCX18]. AkaneRE [SYM+10]. Albumin [RTA+16]. Algebraic [FM13, LW13b, XZB11]. Algorithm [ALR+13, AALD17, BHS+14, BPV+11, B09, BKLS18, BS08, CFOS06, CC09, CAW+19, CBF+18, CWZL08, DT11, EH06, FM12, FMD18, GZFT15, GSC+18].
GAGM11, GK08, GPMH16, Gra04, HBM19, HWPE17, HBC+11, HHYH07, HLSR18, HDS+18, HLH11, HvIKS11, KCD+12, KSMT19, LHL+19a, LtaS13, LCLL10, LLHF15, LLH+17, LTL+19, LLW10, LWZ12, LJZZ13, LT07, MLW+12, MGXS15, MTSCO10, MPS18, MCD+11, MLZ17, MB16, MM17, NTC07, NP13, NPD+17, ORCJ13, OMWX09, OP11, PAL+12, PLCW17, PK13, RMV12, RSJK13, SDS18, SREK19, SS04, SIM12, SV16, SR10, TSP17, UJ09, UWHL15, UAH16, WLC11, WAK13, WBE13, WCLY12, WWLL16, Wan16, WDHO8, WLC11, WMS09, XWC15, YWK+07, YCYC12, YYYC13, YCO8, ZWL+12, ZZC17, ZHH18a, ZLJT17, ZW13, AMBK14, CFSI+15, DST+15b, FWY+15, GRDV14, GM14, GAVRL15, HLW15, ARZ+14, Nye14, PWZW15, PWC+15, RHH16, SHK14, SKH15. algorithm [STT+14, SSS+15, XXM+16, YHV+15, ZSY+14]. Algorithmic [LQV+13]. Algorithmics [BvBF+11]. Algorithms [AKS13, ASI+11, AAE11, BEW09, BAK06, BBK+07, BG17, BM13, CEFBS06, CW09b, CW11, CW12, CHE13, CAN+08, DBR07, GH08b, HK12, HLS11, HYW08, HKM+18, JRSS18, Jia10, KB19, LNC+05, LCC+11, MO04, Ma09, MSP+19, MWS12, NSNA19, PG18, PH10a, POS+18, Pol13, RZMC17, RAA10, SK08, Shi10, SHUP19, SLH+06a, SDB+07, TS18, TRKRC13, WL11, Wan12, WBE13, WCY12, XZG+18, YLCC13, YDM+08, ZD12, ZZ18, vKIKKS08, PKSV+16, Tan14, ZHL+14, MVVR19]. Alignable [PS11]. Aligned [LSTW+17]. Aligner [EMK18]. Aligning [WL14, YICW+15]. Alignment [AH11, AKLJ17, AGMP09, BTRR11, BAK06, CWC04, CGPW06, DBZ12, DK17, DK13, DBN18, ECK16, FGKH11, FMD18, GPMH16, HT09, HGM18, HB11, IGM+07, JZW17, AKD17, KK08, LNR+09, LPR+08, MWL+12, MKG08, MHK11, MGKG17, NP13, NSZK15, PHX+08, Pol11, Pol12, Pol13, RCM+19, RGN+09, SH11b, SLH+06a, SSWF12, TRKRC13, TDK13b, TED+12, TDA+09, TTWR13, VM18, WS08, WLMW+11, WHKK07, WAK13, WB11, WCLY12, Xu05, YLL+06, YH13, ZLLS17, ZGB+12, CV14, FZM15, FSL+15, MG14, PSK+15, SHS15, SCC+15, SPF14, XXY+16]. Alignment-Free [YH13, CV14]. Alignments [BDD+10, HVG04, HPL+13, PT09]. All-Mapper [CZ19]. Allele [BBSP08, DLM12]. Allowing [AGMP09]. almost [WLY14]. along [AGMP09]. Alphabet [SJNS19]. Alphabet-Friendly [SJNS19]. Alphabetic [FMD18]. alphabets [YHV+15]. Alter [JLW17]. Altering [Zha18]. Alternative [NHTD17]. Alternatively [RLRH18]. Always [BBCP07]. Alzheimer [JHZL19, LWT+18, MLA+13]. AMAS [TC16]. Ambiguities [ZZS07]. Ambiguity [Gz11]. Amino [HLG10, Kar12a, LYL+17, NLGG12, YH13]. Aminoacrosorosa [DABV17]. Analog [Pre04]. Analog-Spectrum [Pre04]. Analyses [ATA+17, KPP19, SSD19, WYY+13]. Analysis [ACC+13, APK18, iAOS16, BB11, BR18, BGS+12, BKL18, BS05, BCFC13, CP13, CXW+13, Che10, CWZ08, CZM+18, CMC+12, Dal16, DSHM08, DADF+10, DKDD10, DSVMM18, DPW12, FZWS17, FM12, FWY19, GHG+13, GCZ18, GF10, Gos11, GM16, Han10, HB05, HYC12, HSTW06, HLDZ17, HLSL13, IL18, IYA12, JDCC12, JL10, JFR+19, JCP13, JZL13, KPK+17, KNTB18, KSB12, KSK+18, LCTS08, LEAK11, LFK16, LTM+12, LL11, LKV+11, LLX+11, SLLA07, JLL+15, LHG+16, LPH+13, LXG+16, LLH18, LW19b, LTL+07, MWZY17, MO04, MTH17, Mam05, MT12b, MC07, MZ1+13a, MG17, MWD11, MBB+13, MBB+17, NU06, NA11, NO09, NNM+12b, OG11, PLMV12, PIPC18,
Pau18, POS⁺18, RdMCBC13, RAM17, Roc11, RWH⁺10, RPBP18, SDA⁺16, SKS⁺19, SDCW11, SKD⁺07, TZH07, TRKRC13, TWZW16, UBP⁺19, UKV18, VMZM17, WZA07, WMWA12, WYHD17, WHXS17, WWL19, WFY⁺19]. \textbf{Analysis}\[WP08, WHKK07, WWC18, XHY⁺18, YLXJ04, YLL⁺06, YB08, ZMST18, ZZ13, ZZN15, ZW16, ZC11, ZK16, ZZS07, ZWW17, ZYW⁺13, ZGDH16, ZCWW19, dCAR11, GTDK15, GMCB14, KG15, LHN⁺13, LYH⁺16, LLCZ15, L15, LLH⁺14, MEOL14, OFC⁺14, RTWR15, WZ14, WZC⁺15, YTL15, YCY⁺15, ZMP⁺14, ZWC15]. \textbf{Analytic}\[BCLC15]. \textbf{Analytical}\[HLM⁺13, KBBD⁺17, LCOMG14]. \textbf{Analyze}\[GFG16]. \textbf{Analyzing}\[ABS15, BHMA06, CHW⁺18, GHL05, SCSS05, SC11, TV11, WDL⁺17, PSK⁺16]. \textbf{Ancestral}\[ACPR10, GZFT15, LCSW18, MRS09, NLHL17, SLH06b, WKE11, HZZT14]. \textbf{Ancient}\[LCSW18, SW09]. \textbf{Angles}\[FSX19]. \textbf{Annealing}\[BA18, TW10]. \textbf{Antigen}\[KT07]. \textbf{Antibody}\[ZWL11]. \textbf{Antibody-Specified}\[ZWL11]. \textbf{Antiepileptic}\[RBB⁺19]. \textbf{Antifreeze}\[KNTB18]. \textbf{Anti-Cancer}\[PSIM17, WLCX18, BHW⁺14]. \textbf{Anti-EGFR}\[MWZY17]. \textbf{Anti-longevity}\[WFD15]. \textbf{Antibiotic}\[MWD11]. \textbf{Antibiotic-Resistant}\[MWD11].
Assembling [AM12, DBK18, GAJ13, HG16, LLH19, PS11, PGF18, TGP+15, XSS17, ZKP+07].
Approximate [AMGC16, BDD18, CLH+15, LRR08, LLZC12, PNP+18, PAAG07, QKÖ18, RGI13, TGGF10, Tsa12, VTGC16, WYY+13, YL12, ZS19, LYH+16, NCMCAR15, WSTL+15, XLC+15].
Associated [AAF+13, GZC+17, LWL+18, LHZH17, MWSM12, WLCX18, YWN+19, YAB13, YKW18, ZS18].
Associative [KNS+05].
Assortative [PPZ12].
Assumption [BCVS19, TM11].
ASTRAL [SRM18].
Asymmetric [FPPR11].
Asymptotic [DR16, ZWZ16].
Asynchronous [LW13b, ZWL15].
Asymptotic [FPPR11].
Attractor [AKMT12, MPQY19].
Attractors [DT11, FMRS18, KH14].
Attribute [ACWW05, ACWW07, HC13].
Attributed [ZLY+13, aureus [AKNB07].
Authentication [CBZ+16].
Autism [SvdSS+18].
Auto [LHH19, CMS12].
Auto-Filling [LHH19].
AutoDock [HOS+12a, HOS+12b].
Automata [HBRU13, MHKR12, RA16].
Automated [DGV+17, GAR+09, GLG10, LFZ+19, RKDR10, UBP+19].
Automatic [CPQ08, DADF+10, MA12, Ozy12, RV06, SYZ+13, SZCX19, SSL+14, YSC13, YB08, ZCR+17, LZGZ14].
Automaton [KHP12].
autophagy [MFS+15].
autophagy-related [MFS+15].
autoregressive [JHP15].
Average [HYW08].
Aware [UWLH15].
Awareness [ZWL11].
B [WWC18, LLW+11, XHY+18, ZWL11, ZHL+14].
B-Cell [XHY+18, ZWL11, ZHL+14].
Bacillus [NPBD16, SSDN12].
Backbone [FSX19, HSTW06].
Bacteria
Bicliques [GM14]. Biclustering [CWZ8, HMY10, MTSCO10, MBM*13, MB16, TBKH05, AMBK14]. bicluster [HTLL12, YNBM05]. Bi-Random [HMW 12]. Binary [BG12, HYW+17, KB17, KB19, PK13, WLA*13, YNBM05, YOKI09]. Binders [CPQ08]. Binding [AM12, CHZ*16, EMDH11, GLW12, HZTP12, HLZ*17, IDDI3, LSTW*17, LPH18, LFFL*18, MGL*12, MGXS15, MWZY17, PLF12, PIPC18, RTA*16, SLRQ19, WP08, WLL13, WPL15, WLWP16, WZ13a, ZCG*18, ZZH19, ZZDY13, AM15, DS*15, LHWL15, PSK*15, STT*14, WSTL*15]. Bindings [HBRU13]. Binning [LHKL17, LZGZ14]. Binomial [PNU*18]. Bio [GRTL14, HLL019, SLX*18, TS17]. Bio-Curation [HLL019]. Bio-driven [GRTL14]. Bio-Images [SLX*18]. Bio-Inspired [TS17]. Biochemical [AV17, HM13, QV17, SH11a, SMSZ17, UWHL15, VSR*06]. biochips [AIS*16]. bioconductor [VPB15]. BioCreative [Ano09c, gCLL*10, CLML10, LS10, LMK*10, RSK*10]. BioExtract [BL1*10]. Biogeography [GGJ*06]. Bioimage [NBGL19]. Bioinformatic [HVD18]. Bioinformatical [AHT*18]. Bioinformatics [Ano09c, BPRZ11, BBH12, Cas06, Cas07, Che12, CN12, CZ12, Che13, CLR10, FJJ18, GH08b, GJH19, HKK07, HMZ17, HC15, IYA12, KPP19, Kim18, LNY05b, LNY05a, LC10, MPZ07, MPZ08, MPSZ09, MWZ13, MSZ19, MNPZ10, MJ18, OMWY09, SA15, SPK19, SJNS19, TS18, WYXY16, WDL*17, WLC18, WH11, YSC19, ZC14, ZL19, CEG14, GPSF15, MNA14, TDD14, Ano05b, Ano12b, Gus04b, RZF17, Tit16]. BIOKDD [LC10]. BIOKDD2013 [PR14]. BioLMiner [CLM10]. Biologic [CL15]. Biological [AAF*13, ATA*17, AF12, AFAW*11, ABVD12, BDS12, BvBF*11, BMZ15, BWRF12, CMS12, CNM11, DFTC12, DBN18, ED15, FPPR11, GLS*16, GPMH16, GLG10, GHL05, GM16, HB05, HYZ16, JRN*18, KL11c, Kuk13, LBM*18, LLH*07, LN13, LWZ12, MO04, MBGP12, MNND13, MSS*19, MVS*13, MB16, NNM*12a, NNM*12b, PFJ*19, Pau18, PR18, PLCW17, PCK19, PPZ12, RYK*19, RA16, SFB*08, SdOD*12, SDN*11, SJZ19, TV11, TKDK13a, TKDK13b, VBB18, WLWN17, WDL*17, Wig15, ZWS16, ZKW19, ZSC*10, ED14, GTDK15, Gu16, HM15, HPH*15, HKL14, Jam15, MZL15, WZC*15, ZSY*14]. Biologically [BB11, PK12, SMK*12, TNQ08]. Biology [ALWG18, Ano05b, Ano09c, Ano12b, BLP18, BU17, Cas06, Cas07, CSW11, CN12, FS12, FS13a, FJJ18, GCZ18, GTTR*17, GJH19, Gus04b, HKK07, HSS18, Jam13, JFN11, Maz12, MCD*11, RZF07, SPK19, SYL19, SGH12, TS18, Tit16, TC13, WYXY16, WH11, WCXL18, Zha16, ZS19, KG15, TWZ*14, MVVR19]. Biomarker [ALQ17, KGF*14, LTL10, MLZ18, PSIM17, TP18, WDS*12, OFC*14]. Biomarkers [DHCW18, SQZA14]. Biomechanical [JGR15]. Biomedical [BMH13]. Bioextract [HLL*18a, HW07, HDS*18, JHL16, LHYL11, LLQ*16, LTW*11, LNC*05, MCC16, OLZ11, Ozy12, QF018, WCMZ15, WB17, WGX*17, XLL*18, XLL19, ADTQ16, GFG16, JZC15, MKARB16, Vog15]. biomedicine [YN14]. Biomolecular
Bubbles [ZL15], Budding [CAW+19], Budgeted [MPKvH09], Builder [VSR+06], Building [CKWY12, MEOL14, NCMCAR15, NLHL17, VBG+18], Bulk [XSS17], Burial [LHWL15], Burrows [KK19, KVX12, LHS16, NTR16, TED+12], Burrows-Wheeler [KVX12], C [AAG+18, HEE+18, LHKL17, MP19, SKD+07], C-detected [AAG+18], C-Means [LHKL17, SKD+07], Ca [LCOMG14], Cache [CLR10], Cache-Oblivious [CLR10], Calcium [JLW17, PTM+19], Calculating [Vis18, WM19b, SYV14], Calculation [GDM18], Call [Ano05b, Ano08c, Ano09c, Ano12a, Ano13d, Ano13b, Ano13c], Calling [BBSP08, LKW+19, XZY+14], CAMS [SHK14], Can [AHT+18, Wil11], Canceller [AKS13], Cancer [BR18, BHMA06, BD19, CD08, DSZ+06, DZH16, DG19, GS17, GMSD11, GBJ08, GBB+11, Han10, KSN+12, KCP18, KKK19, LDM18, LHC18, MWZY17, Mah10, MF12, MSS+13a, MBP+19, OG11, PSS09, PSIM17, Pl09, PB19, RBB+19, RAK13, RYK+19, SSS+11, SMRP15, SJS19, ST05, SSL11, SPTK19, SWL19, UBP+19, UKV18, WCX07, WLCX18, WQY18, WLHY19, WDS+12, WGG16, WW19, XHQ+18, XAW07, YLCC13, YLY+12, YCCM12, YGY+19, YOK109, ZHS07, ZLL+17, ZZ18, ZXL19, ZS19, BHW+14, JR14, KPB14, LCLZ15, LMW14, MFS+15, MIR14, SRLR14, TWZ+14, XLLW15, YCY+15], Cancer-Associated [KCP18], Cancer-Related [RYK+19], cancers [ZMP+14], Candidate [ZRRPZ19], Capabilities [BLP+12, MM14a], Capsid [XSS17], Capture [LV18], Capturing [DI5], Carbon [RBDJ11, MZS+16], Carcinoma [CSSS16, DCHW17, YSW+17], Cardiac [LKY+11, MBF+13], Cardiomyocytes [WBP+12], Cards
OG11, Ozy12, PTH+18, dSRCT+11, SSS+11, ST05, SHJL10, SSV18, WCX07, WZJH12, WDS+12, WLA+13, WW19, XHQ+18, XZC07, XAW07, YLXJ04, YRD+13, ZLZ06, ZHSS07, ZwGC17, ZYW17, ZZN+11a, ZCWW19, ZBFK10, ED14, GRDV14, LXZ+15, MBS15, RHK14, YRD+14a.

Classifier

[AV17, BDP11, GZR+18, HBH12, HC16, IYA12, PI09, SSP+17, SMM15, WGX+17].

Classifiers [DPS+13, FTT16, IW13a, NLGG12, QBPCL12, WBI17, YOKI09].

Classifying [AC12, CSSS16, CR14, LRM08, SLX+18, YN14].

Clearance [SZCX19].

Climbing [RV06].

Clinical [BKP+19, BDP11, CKYW12, HXX18, HYC12, LHH19, LTRW19, MLZ18, MBP+19, MCHT17, RTPM+19].

cliques [ZZ15].

Clock [BZ07, CL15].

Clone [Kur13].

Closed [PPM+13].

Closed-Loop [PPM+13].

Closely [MYCW12].

Cloud [CW11].

Cluster [PCDP18].

Clustering [DP18].

Cluster-Assisted [PCDP18].

Clusters [ACWW05, ACWW07, BBH12, CMS12, CLS19, DGH+06, DWSB11, GLW12, GLG10, HCH18, JCF13, JMA17, KNS+05, KK12, KZ10, LHTT11, LSTW+17, LBL12a, LLHF15, LCW+18, LGW+18, LT07, MSQ18, MP13, MA12, NZK15, NPD+17, OMW09, RWH+10, SV209, SY09, SKD+07, SMK+12, SGB12, TK05, UKV18, VKM07, VF09, WNT+17, WZA07, WLCP11, WLW12, WLZ+19, WFY+19, WOYL17, XHQ+18, YLY+12, YP13, YCY+13, ZHJ17, ZYW17, CFIS+15, FN14, IM14, LCC+15, LA+14, MG14, MR14, RB14, SHK14, SDDA+14, WL14, YCY+14, YCY+15, YLY+12].

Clustering-Based

[CLS19, YLY+12, MG14, SDDA+14].

Clusterings [Mah10].

Clusters [BG13, GDM18, KSv12, LW18, RdICGW09, RYK+19, SW09, ZACS09, HKN14, WDX+15].

ClusterViz [WZX+15].

CMSB [BLP18].

CMStalker [LMP15].

Co [DZH16, GZFT15, GDM18, MWSL18, TM11, WOYL17, XZG+18].

Co-Complex [WOYL17].

Co-evolution [TM11].

Co-Evolutionary [GZFT15, XZG+18].

Co-Expression [DZH16, GDM18, MWSL18].

Coalescence [GPE17, TR13, Zha11, GE14, GE15].

Coalescent [DR16, Ros13, TBRS13, Wu10].

Coalescent-Based [TBRS13].

Coarse [CGLF12, LQV+13, MDPR18, WLY+09].

Coarse-Grain [LQV+13].

Coarse-Grained [CGLF12].

Co-clustering [CD08, JZL13, PR12].

CoDe [BvdGK+11, Tho16, UJ09].

Codes [HXX18, TSM14].

Coding [LFZ+19, LHLH19, MK16, MCCZ08, dSRCT+11].

Codon [HEK18, MNR09, SGC07].

Coefficient [WLWP12, WDL+17].

Coevolutionary [HC17, NLM+18].

Coexpressed [PWT10, ZYJ+11, KSM14].

Coexpression [BB11, BLR08, RB16, YC08, ZN15, WDX+15].

CoG1 [XZG15].

Cognitive [ZYW17, ZWS+18].

Coherent [YNBM05].

coheseive [ZMC+14].

coli [iAOSS16, RBdJ11].

Collaboration [ANR11, JJH12].

Collected [ZYF+18].

collections [Mat15].

Collective [Cza18, LDL+17].

CollHaps [TBGL10].

Colon [RHA13, RH14].

Colony [LGZ+17, ORCJ13].

Color [TZY11].

Colorectal [KKK19, PB19].

Colored [AP07, RSJK13, WLY15].

Combat [ZD17].

Combination [AV17, BRS18, DPS+13].

Combination [CL15].

combinations [DWZ+15].

Combinatorial

[BM08, HS08, JL10, LRR08, LMP15, PAG07, VGBK19, YHY13].

Combinatorics [HCMB18].

Combined [AHT+18, MGXS15, PNP+18, SZLL11, WL07, WWL16].

Combining
[ARP+16, CWZ08, DCHW17, GKPS11, HLVZ+17, KS18, KMG+05, LWT+18, LL19, SFMS18, TOYHZ19, VF09, VTGC16, WS12, ZLZ+19, BDBH15]. Comembership [HRdR09]. Comment [FLW12]. Common
[GLL+18, LZ18b]. Comorbidity [HZW+17, JBGLS19]. Compact
[SGR+17]. Compactly [DM09]. Companion [Ano12a]. Comparative
[AM12, BCVS19, DS19, JCF13, KAP+12, LTA13, LW18, LNC+05, NNM+12b, ZZS07, AM15, BM14, BF14]. Compared [FMRS18]. Comparing
[BCF+07, CW07, QV17, SS06a, VASG10, HC14b]. Comparison
[AS05, BM12, CRV09, CLR11, CNYW12, DZA+06, DPW12, FFT16, FPPR11, GRS+13, HEE+18, HYZ16, LK1+19, LPH+13, MKH11, Roc11, SMK+12, WLPW16, YH13, CV14]. Comparisons
[BAK06, LFF18]. Compatibility
[BLS12, SS06b]. Compatible [BN06]. Competence [NPBD16, SSDN12]. complement [TSM14]. Complementarity
[ADPH11, ADPH13, DM09, PBhL+11]. Complementary
[TNQ08]. Complex
[BWRF12, DMJ+18, GLS+16, GBB+11, HC18, HC19, HC13, HHR09, LLNW17, MTNH17, MVS+13, PG06, BVJSS+18, SJZ19, TGD+16, TP18, WHHY19, WOYL17, WW19, XL16, ZLY+13, DZW+15, TYL+16]. Complexes [FJJ11, KSK+18, LLH+07, OYDZ15, YB08, ZDL12, CWZW15, PWZW15, XG14, ZZ15, ZWL+14b]. Complextity
[BN06, BCF+07, BS10b, BLS12, CEFBS06, HKM+18, KB17, LLW10, PH10b, Pol12, RZMC17, TZP17]. Complicated [HWPE17]. Component
[BKLS18, BSLR05, CWX+13, DSHM08, Gos11, Han10, JDCC12, LXG+16, SDCW11, dCAR11, LLH+14]. Component-Based
[CCYW12, KAL+17, LLTC19, NLGG12, RST10]. Compositions [KNTB18]. Compound
[CZW+18]. Compound-Protein
[CZW+18]. Comprehensible
[FWA10]. Comprehensive
[GSK13, SGH12, WWBZ19, YOGY11]. Compress [GDM12]. Compressed
[CW07, GRS+13, MDM13]. Compressing
[XZG15]. Computation
[KK19, TWG+12, Wa10, GFG16]. Computational
[AJD+12, ANR11, ATA+17, ALWG18, Ano05b, Ano09c, Ano12b, BLP18, BBS08, BRZ+17, BCF+07, BMZM15, Cas06, Cas07, CN12, DBN18, FS12, FS13a, GCZ18, GLL+18, Gus04b, HOK07, HSS18, Jan13, JZH12, KZV+18, LH13, LHL+19b, LHY+11, MTNH17, MVVR19, MPR+18, MA12, NAAH19, PLMV12, PH10b, RZP07, R16, RCBB91, SK08, SWB15, SPK19, SYL19, SWX+19, TS18, TSP16, WYWX16, YB08, ZDL+19, MM14a]. Computations
[ZXB11, ZSC+10, MKARB16]. Computer
[MVS+13]. Computer-Aided
[MVS+13]. Computers
[TIA+11]. Computing
[APPG18, BGS+12, BS07, BS09, BWRF12, BBH12, DB14, GLS+16, GDWK+15, GSB+13, GJS11, HZT+19, HM13, HBG16, HBG17, HBG18, HBG19, ME19a, MKS+17, MDH11, OP11, PK13, RP13, SNM08, TLSA18, TS17, UAH16, WS08, WYWX16, CFIS+15, GPScF15]. Concept
[TWZW16]. Concepts
[BMT17]. Concerning
[BvdGK+11]. Concise [Son06]. Concurrent
[MTM+15]. Concussion
[WNT+17]. Condition
[Gos13, MSQ18, RB16, Son06].
[ADPH11, YCZ+18]. **Descriptors**
[ARP+16, HZTP12, WB11]. **Design**
[AKS13, Che16, GJZH17, mHB13, IL18, IYA12, JSS+18, JZS+18, LHDS18, MDD18, MM17, OMADG+12, SK08, SB12, TRBK09, WLC11, YCYC12, DYD15, HPH+15, KH14, MG14, MM14a]. **Designer** [BPP+13].

**Designing** [GBB+11, JLi13, MDM13, NTC07, SB09, SBY12, THH+19]. **Designs** [GK08]. **desired** [HPH+15]. **Detect** [HK12, YGBB10, ZYF+18, LLL16a, SSML15].

detected [AAG+18]. **Detecting**
[ALQ17, ABVD12, AALD17, JLYZ16, KSM14, LZ18b, NVSH18, OYDZ15, RH05, TWG+12, TBRS11, UJ09, ZXLZ18a, ZXLZ18b, ZWL+14b, SSS+15, ZZ15].

**Detection**
[ARM+19, AGGM11, BBN18, CW09a, CWL12, DADF+10, FMD18, GLL+18, GDWK+15, HLL+18a, HTLL12, IG+07, LL19, LGW19, LGB15, LCB17, MYCW12, MPQV19, NSC17, PCK19, RHAK13, RB14, Shi10, TP18, WS12, Wer06, WOYL17, YC08, ZIW+11, ZmCXS17, dNG17, CBN15, DGR15, GBTL14, HWK14, LWM14, MMFD14, PS15, SB16, SXL+14, Vog15].

**Determination**
[BZR+17, BKR11, WL07, DST+15b].
**Determining** [AAF+13, Tah14].

**Developing** [SWX+19]. **Development**
[Che12, HSS18, MMH15, TZH07]. **Devices**
[GTTR+17, MKARB16]. **diabetes** [GJK15].

**Diagnosing** [HC16, WW19]. **Diagnosis**
[BBN18, JHZL19, PTH+18, YOKI09, ZHSS07, GJY+14]. **Diagnoses**
[An012a, BDP11]. **Diagonal** [YHCS19].

**Diagrams** [YNBM05]. **Diameter**
[HZR+19, HSISM11, GE15]. **Diameters**
[GPE17, GE18]. **Diazoxide** [WLX18]. **dibenzopyrrole** [KP14]. **DICLENS**
[MA12]. **Dictionary** [KBSCZ12].

**Difference**
[JRSS18, ME19a, ME19c, DWZ+15].
**Differences** [vBdRD+11]. **Different**

[CHW+18, CZM+18, LEAK11, LL11, LW19a, NI07, RCP+18, SdOD+12, ZZY+17, dJP08, ABS17, BMM14, HLW15, ZSY+14]. **Differentially**
[AA06, EAS12, HHSC13, LXG+16, LGW+18, SD1K19, WS12, KSM14].

**Differentiating** [ZLX19]. **Difficult**
[BBCP07]. **Diffused** [WWC18]. **Diffusion**
[FZWS17, SHJ10]. **Digest**
[BBK+07, JR14]. digital [AIS+16].

**Dimension** [ST05, YTL15]. **Dimensional**
[Che10, CHC+05, DZA+06, HDS+18, LHL+19a, LTM13, LN13, NP18, PL17, SWL19, WLLL16, WRH+09, WVL+17, ZMT13, ZK18, BP14, Qiu14, YN14, ZMC+14]. **Dimensionality** [LRM08].

**Diploid** [KWL07]. **Directed**
[ARS17, PPZ12, Zha18]. **Directional** [ZS19].

**Dirichlet** [CGZ15, PRZ+14, RdCG19].

**Disambiguation** [HVD18, HWK14].

**DiscMLA** [ZHZ18a]. **Discordance** [PT09].

**Discovering** [AOS+18, AC1P10, BHS+04, KN05, LSTW+17, LLH+07, LNC+05, MPF12, RB16, RM18, RA16, WHWP12, WSTL+15, XL16, YNBM05]. **Discovery**
[AN11, ABS17, B09, BD19, BVN+11, CLST+13, CHK17, GXS17, GCB+18, Han10, JL10, KC11, KZ10, LDS+07, LHL+19a, LMPT15, LCLL10, LCW+18, LT07, MLZ18, PWT10, RL04, SKDA19, SS04, TP18, UB+19, WLCP11, YAB13, YLY+12, YNN+18, ZDL12, ZZ18, ZZN+11b, ZMC+14, ZA11, CWDS15, CA14, FWY+15, JZC15, KGF+14, OFC+14].

**Discrete** [CWZ08, ED15, HGM18, LCW+18, PTM+19, SH11a, WZ13b].

**Discrete-State** [SH11a]. **Discriminant**
[FWY19, NO09, OG11, WYHD17, YLX04].

**Discriminate** [THH+19]. **determining**
[SQZA14]. **discrimination** [DI15].

**Discriminative** [KC11, hLMBJ11, ZZH18a].

**Disease** [DHCW18, GSC17, HZW+17, JBgLS19, JHZL19, LWL+18, LRR08,
LZHZ17, LWT+18, LDL+17, LTRW19, MS17, QLZ16, QBPEL12, VBG+18, WLCX18, WLA+13, XPH12, XW16, YG19, ZLLZ17, ZWS+18, ZZRZ19, YW+N+19.

**Disease-Associated** [L DL+17]. **Diseases** [GZC+17, HC16, TP18, YWN+19, DWZ+15, LLRZ15, TYL+16]. **Disequilibrium** [LLC+13]. **Disorders** [GSC17, SVdSS+18]. **Disparate** [QKO18]. **Disrupt** [GED+17]. **Dissect** [WLHY19]. **Dissimilarity** [FB19]. **Distance** [AKNB07, AS05, BFK17, BG12, BS10b, BJ13, CWZL08, DS14, FM11, GRS+13, Lab06, LTM+13, Pol12, SGC07, SWH+12, WM19b, WZ13b, ZZY+17, ZSC+10, ZW13, dSMBD17, DNR15, TSM14].

**Distance-based** [DS14]. **Distances** [BPV+11, JZSZ12, OP11]. **Distant** [VSKJ11]. **Distinguishing** [AD12].

**Distorted** [Mos07]. **Distributed** [GZR+18, LBL+10, PFJ+19, PSN+15, RTPM+19, SSD19, WWC18, GFC16]. **Distribution** [ASL+11, BS09, DADF+10, Gru11, LLH+17, MT12a, DWZ+15].

**Distributions** [APPG18, LTM+13, SZZ+19, SHUP19, WM19a]. **Disturbance** [LL11, LLL+16b]. **Disulfide** [YLH+15].

**Diurnal** [WGP11]. **Divergence** [EW04, ZZS18]. **Diverse** [LSB+11].

**Diversity** [FWY19, MPKvH09, SNM08].

**Divide** [KD15, OCL3, SR10]. **Divisive** [MA12].

**DLBCL** [WWC18]. **DNA** [ASJ+07, BTYC13, CFOS06, CLST+13, CW09a, CH11, CL+18, CWL15, CLS19, CL08, CAN+08, DCHW17, DSVMM18, DPW12, GZGX14, GPKS11, HEK18, HHS13, HG16, HLZ+17, HLH11, KCD+12, KC11, KBSCZ12, LSTW+17, LPH18, LLW+11, cWAW07, MGL+12, MRK18, MMH14, NVSH18, PKR12, PG12, PGF18, RV04, RG16, SLRQ19, TDA+09, TSM14, UJ09, WZZ+18, WP08, WSTL+15, WLPW16, WW19, ZZH19, ZZDY13, ZL15].

**DNA-Binding** [MGL+12, ZZDY13].

**DNA-Protein** [WP08, ZZH19]. **DNAzyme** [EES14]. **Dnmt3a** [LGN+19]. **DNRLMF** [YWN+19]. **Do** [RRTB12]. **Dock** [ADPH13, BCS11]. **Docking** [ADPH11, ADPH13, BCS11, GED+17, LSB+11, PSN+15, SZ11]. **Documents** [AC12, KAHK+10]. **Does** [BCVS19].

**Domain** [CJY+19, LB19]. **Domains** [HMK+07, LDC+07, QLZ16, WCMZ15, DC15, PWC+15]. **Dominating** [ZW+17].

**Double** [SZCX19, YCY+14]. **Downhill** [SS04, DP1 [IDD13]. **DPNuc** [CGZ15].

**Drawing** [Hus09, SNM12]. **Drawings** [VAGS10]. **drift** [SPWF14]. **Driven** [CSW11, CCE19, HLY+16, YCCM12, GTBL14, KG15]. **Driver** [ZZ18, LP15, LWM14].

**Drosophila** [GGH+13, KI11, LJK+12]. **DrPOCS** [WCQ+19].

**Drug** [BD19, EZW+17, KHP12, KS18, LC19, MWZY17, PSIM17, RV13, SZ11, SYKS15, SSP+17, SWX+19, UBP+19, UKV18, WLCX18, WCQ+19, XZ19, BH+14, FHRG14, KPB14, LYH+16, XLC+15].

**Drug-Gene-Disease** [WLCX18].

**Drug-Induced** [SWX+19]. **Drug-pathway** [LYH+16]. **Drug-Response** [UKV18].

**Drug-Target** [EZW+17, FHRG14].

**DrugBank** [RV13]. **Drugs** [PG12, YSW+17]. **Dual** [LLQ+16, RRBB+19].

**Duchenne** [BCL+13a]. **Ducat** [CSSS16].

**Duplication** [BE08, BEW09, BS11, BG05, HZHR+19, HCM18, KB17, KB19, LCWZ13, LCC+11, PG18, ZS18, ZZ14].

**Duplication-Transfer-Loss** [KB17, KB19].

**Duplications** [BCF+07, CDW12, SS06a, THL11]. **during** [HK12, KCZ+15, TC13].

**Dynamic** [BBK+07, CHZ+16, CLR10, GCL+18, HL16, HHYH07, HT09, LCZ16, NSZK15, PAL+12, RBdJ11, SMSZ17, TP18, WLL+09, WMWA12, WLLL16, XZG+18, ZLH12, ZD17, WZ14]. **Dynamic-Pattern** [WMWA12]. **Dynamical**
Dynamics [AVD+12, APKP18, CGLF12, Dem12, GBJ08, KL11c, LLES18, LW13b, PB12a, PTM+19, Pau18, RTA+16, RSCX18, SH11a, MFS+15, PSK+16]. **Dystrophy** [BCL+13a].

Early [BCL+13a, JHZL19, TP18]. **East** [XHY+18]. **Ebola** [MBP+18]. **EBWS** [KPP19]. **ECD** [YKW17]. **Edge** [WIWP12, HKLN14]. **Edition** [MVVR19]. **Editor** [Ano10c, BLP18, HMZ17, Ano04b, Ano08c, Ano12b, Cas06, Cas07, Cat17, Gus07a, Gus07b, LNY05a, Xu13, Xu14a, Xu15, Zha17]. **Editor-in** [Xu13]. **Editor-in-Chief** [Xu13]. **Editorial** [Che12, CN12, Che13, FJJ18, FK19, GJH19, Gus05, Gus08, Gus09a, Gus09b, GM16, HC15, HBG16, HBG17, HBG18, HBG19, KS13, KJ04, KJ05, Kim18, MJ18, Mur18, Sag09a, Sag09b, Sag09c, Sag10, Sag11a, Sag11b, Sag12, SPK19, TS17, TH18, WYWX16, WLWN17, WLC18, WH11, Xu13, Xu14a, Xu15, YSC19, YS17, ZC15, Zha17, dSK13, ESW14, LW15, MNA14, MKARB16, PR14, STA15, Xu14b, ZC14]. **Editorial-State** [Gus05]. **editors** [CEG14, XHS15, AS15, BPW17, BPRZ11, CJ12, FS12, FS13a, GH08b, Gus04a, Gus06a, LNY05b, MP207, MPZ08, MPSZ09, MWZ13, MSZ19, MNPZ10, RZF07, Sag09b, Wil04a]. **EEG** [AKS13, HLS18]. **EEG-Based** [HLS18]. **EEG/ERP** [AKS13]. **Effect** [AD12, BMH+16, GSC+18, GSC17, MRS09, RKDR10, SZCX19, WHXS17, ZZ14, WFD15]. **Effective** [AAP06, BRZ+17, CMSE+15, CZ17, HC07, WOYL17]. **Effectively** [CZW+18]. **effectiveness** [Jam15]. **Effects** [ALQ17, BCFC13, MWLS18]. **Efficacy** [LRM08, QL09, CWDS15]. **Efficiency** [KBBD+17, LHY+11, RKDR10, RKDR11, ZLLS17]. **Efficient** [BPV+11, BHHMCL16, CFOS06, CCE19, DLRW18, DBZ12, DLM12, DHC12, FM12, GPMH16, GSK13, HLY+10, HT09, JZW17, KVVX12, LYH+16, LJJ+15, LHG+16, MWL+12, ME19c, MS11, MCDD12, NSZK15, PG18, PH10a, PCK19, PBJ12, POS+18, SP11, SK08, SN12, SLH+06a, SDB+07, SK12, SDTK19, TZP17, VTGC16, WBP+12, WKL12, Wan16, WBE13, Wer06, WCLY12, YDM+08, YHZ+19, ZZH18a, GM14, LMZ14, LHS16, SDDA+14, SSKH15, SYV14, YHV+15, ZHL+14]. **Efficiently** [TK05, ZL+19, NYOL15]. **EGA** [Sen19]. **EGFR** [MWZY17]. **EHR** [ZDL+19]. **EHR-Based** [ZDL+19]. **EHRs** [MZSL19]. **EIC** [Gus08, Gus09b, Sag09a, Sag09b, Sag09c, Sag10, Sag11a, Sag11b, Sag12]. **Eigen** [MWZY17, WMWA12]. **Eigen-Binding** [MWZY17]. **Eigen-Genomic** [MWZY17]. **Eigenmap** [ZYW17]. **EKF** [ZWL+12]. **Elastic** [WMK16, ZLH+17]. **Electrical** [BMH+16]. **Electron** [MRB12]. **Electronic** [SGR+17]. **Electrostatic** [BTYC13]. **Electrostatics** [Gon13]. **Element** [WQL+16]. **Elementary** [UAH16, DB14]. **Elements** [AOYN+18, AD12, GGGZ14]. **Elimination** [CZ17, DLM12, LH+11, PGHT12, STT+14]. **ellipse** [SXL+14]. **Ellipsoid** [XAW07]. **ELLPACK** [BBH12]. **ELLPACK-R** [BBH12]. **ELM** [SSS+11]. **Elucidating** [LW19a]. **Elusiveness** [KSvI12]. **EMatch** [LDS+07]. **Embedded** [BHHMCL16, CYTY13, JS12]. **Embedding** [LC19, ZDYH17]. **Embeddings** [HLL+18a, LLQ+16]. **Embryonic** [GBTW16, GBTL14]. **Embryos** [LK11]. **EmDL** [XYZ19]. **EmDeL** [XYZ19]. **Encouraging** [ANR11]. **Encryption** [RCP+18]. **End**
[Gus09a, KY19, LLH+17, Sen19].

End-to-End [KY19, Sen19]. Endogenous [AD12]. Endoplasmic [LLES18].

Energetic [ZXB11, LHWW15]. Energy [ASJ+07, ACC+13, BCCFC13, mHB13, MSS13b, NA11, NSAH19, RJN18, SDS18, DWZ+15]. Engineered [MBP+18].

Engineering [BG5+12, INT11, LLA19, RB5+13, SDOD+12, TS17]. Enhance [SR06]. Enhanced [CPM18, WBE13, ZZZC17, ZD17, YHZ+19, ZYLZ18a, ZYLZ18b, DI15, LLW+15, PWC+15, TWZP14]. Estimates [JZW17].

Estimating [GKPS11, NGY+16, NSAH19, SS04, SWH+12, TIA+11]. Estimation [AS+11, BBW18, CAV+19, GAGM11, JRN+18, LWZ12, MNN13, MR10, SRM18, SNC+16, SGL12, TGGF10, WLW+11, WWLL16, YYW+07, YAB13, ZWL+12, Gu16, GJY+14, HLW15, TDD14, ZSY+14].

ETD [YKW17]. ETD/ECD [YKW17].

Euclidean [ME19c]. Eukaryotic [SSS13a, TR07]. Evaluate [LGX10].

Evaluating [WLYZ+09]. Evaluation [BKLS18, CAN+08, DM09, OMA+G+12, YLCC13, KP14]. Event [HLL+18a, JRN+18, LLQ+19, PTM+19, SYM+10, MZSL19]. Event-Level [MZSL19].

Events [BB04, MG19, TBRS13, Zha11].

Evidence [KK12, RLRH18, WZ14].

Evolution [AGMP09, BJ10, BPJ12, BHMR09, BM13, BSST08, CM13, DQ07, GBS11, HK12, HB11, LW19a, LB19, Ni07, SRLR14, ZZY+17, ZACS09, HLW15, TM11, ZSY+14].

Evolutionary [CS15, GZFT15, GSC+18, GK08, HC18, HHHY07, HTSL12, HLW15, HRdR09, KCD+12, KTL15, LCWZ13, LT07, MG19, NLLG12, SDS18, TWG+12, TBRS11, WDHO8, WLC11, XZG+18, YWK+07, YHZ+19, ZS18, DPL+14, Mat15].

Evolved [AD12, HF07, LSMF08]. EvoMD [WLC11].

Exact [CW11, CMQ+16, GRS+13, HBM19, KB19, MS11, RW07, TED+12, Wu10, ZS19, ZW13, ABH+14, Tan14, YHV+15].

Examining [GAJ+18]. Example [DSZ+06, OLZ11].

Examples [CZW+18, KK08]. Excisions [SS06a].

Excitation [MBF+13]. Exemplar
exhaustive

Existence [Son06]. Exocytosis [SDA+06]. Exons [WS12]. Expanded [mHB13]. Expansion [NSC17, XLL19, ZZKW18]. Expectation [MB16]. Expected [Pol11, Vis18]. Experiences [MCHT17]. Experimental [AHT+18, GK08, MDD18, NSAH19, DYD15]. Experiments [BDS12, BSST08, IVA11, IYA12, MGS17, MDM13, NFM+12, OMAdG+12, SVZ09, SC11, THH+19]. expert [GRDV14]. Experts [WCMZ15]. Explained [AHT+18]. Explaining [TGP+15]. Explicit [ZMT13]. Exploiting [AL12, CHL+12, HXXJ18, NSNN12]. Exploration [LTwG+11, RTPM+19, WRH+09]. Explorations [mHB13]. Exploratory [BLR08, Mah10]. Exploring [BSST08, CLC+17, CRK+19, DHC12, GTTR+17, JBP08, KNS+05, SLGK17, TYL+16, USMS19, VRJ+10].

Expressed [AAP06, EAS12, LXG+16, LWG+18, SDTK19, WS12]. Expression [ACW05, ACWW07, BGS+12, BDP11, BHMA06, BLP+12, Bon07, CWZ08, DZH16, DCHW17, DWSB11, GZG17, GMSD11, GZR+18, GDM18, GJZH17, GBJ08, HBH12, HHY07, HMW+12, HIC16, HTLL12, JCF13, KBND19, KG12, KCCC15, KCP18, KKK19, KK12, KMG+05, LEAK11, LTM+12, LTM+13, LBM+18, LRM08, LJ+12, LLHF15, LW16b, LLL15, LLA19, MTSB10, MSH+11, MWLS18, NPK+07, P109, PAAG07, RdICGW09, RW+10, RMS15, SCSS05, SSP+05, SIM12, SDCW11, SKD+07, SGK12, TZH07, TK05, TZU+16, TOYHZ19, UC10, UKV18, WZA07, WLL+09, WRH+09, WP08, XHG+18, XAW07, XOYHZ18, YLXJ04, YNB05, YLY+12, YP13, YCCM12, YOKI09, ZZKW18, ZMT13, ZHSS07, ZWSX12, ZXLZ18a, ZXLZ18b, ZYW+10, dCAR11, vBdRD+11, BMM14, FN14, JR14, KSM14, LXZ+15, PJN+14, RHIK14, YCY+14]. Expressions [ARM+19, BRF17, WCX07, WLHY19].


Extraction [BLR15, CBZ18, DLT10, DPS+13, DPA+17, GTBW16, HLS+10, HVD18, LK11, MCC16, SYM+10, XTL12c, YSC13, ZLY+12, TAL+15]. Extreme [ZHS07].

Facilitate [GJZH17]. Factor [CRP12, LPH18, PIPC18, WPL15, ZS18, LLRZ15].

Factored [PAL+12]. Factorization [EZW+17, JHX17, LW17, LGW+18, RM18, WLG+16, YHS19]. Factors [BPP+13]. False [ANR11, GCB+18, HZTP12, SS04, YAB13, CWDS15].

Families [DR16, Ros13, TRBK08, WWL19].

Family [CSS11, GzS11, RGI13, WFY+19].

Family-Based [RGI3]. Fast [ADPH11, BCS11, BM12, BBH12, CBFB12, CW11, CA14, DBR07, DWSB11, FSB+11, GZG17, GKI9, GAGM11, LH+19a, MW16, OG11, OP11, PVB+12, RMV12, RSJK13, Shi10, SBY12, TGLP16, WYY+13, WLCP11, WXS+19, WXC15, YXXC13, ZCG+18, ZS19, ZL15, dAc17, GY+14, ZLLS17].

Fast-Adaptive [ZCG+18]. Fast-Known [SBY12]. Faster [BAK06, CW07, HC16, SN12, SB09].

FastEtch [PK19]. FASTQ [How13, GDM12]. FastR [ZHEB05]. Fault
Feature [AWW18, AMHH16, BM17, DPS+13, DPA+17, GZG17, GCB+18, HZZY16, HLL+18a, HBC+11, HDS+18, KCD+12, LTM+12, LHLY11, LJJ+15, LZX+19, LPH+13, LHH19, MCHT17, NO09, PGHT12, PBL+11, SLX+18, SIM12, SZL+11, TZ16, TRKRC13, WZA07, WXS+19, YSC13, YM11, YXS16, YH13, ZWSX12, ZLPW16, ZwGC17, ZWY+10, ZCW19, BCLC15, GMCB14, HRHP16, LZGZ14, WFD15].

Feature-Integrated [LZX+19]. Featured [CLW13]. Features [AD12, BYZ+18, BS01a, CHW+18, FLW12, HC17, HLZ+17, KTLM15, KAHH+10, LLX+16, NBGL19, QCW+16, VF09, WB11, ZZCY10, ZKW19, ZZDY13, DPL+14, GPJSV14].


Filtering [KAP+12, SP11, WLL+09, HPH+15, SB16]. Filters [BHHCL16, SBY12, WJH12, XLZ+15].


Five [Gus09a]. Five-Year [Gus09a]. Fixed [BS11, BS07, GB10, PK13, ABH+14, CV14].

Fixed-Parameter [BS07, GB10].

fixed-resolution [CV14]. flagellin [MZO+16]. Flat [ZBKF10, BLR15]. Flex [FMD18].

Flexible [ARP+16, BWC17, FSB+11, FMD18, JGBR15, LSB+11, MTH17, OLS+13, PFJ+19, Shi10, YDM+08, HM15]. Flip [CEFBS06]. Flow [FJJ11, MT12b, MT12a, PN17, RZMT15, YYCY13, ZMT13, ZMST18, ZWL+12, Qiu14, ZMT14].


Foulds [CLRV09, CBFB12]. Fourier [ZLSS17, BCS11, Mat09, MEOL14]. FPGA [CWLZ14, FVLN15, G DWK+15, HG16, PG18]. FPGA-Based [FVLN15, CWLZ14]. FPGAs [AKLJ17].

Fractal [BMH+16, HLDZ17, YTL15]. Fragment [ZGC+05]. Fragmentation [CLZ+18]. Fragments [JL10]. Frame [LRH18]. Framework [ANR11, BHHCL16, BSLR05, CMS12, gCLL+10, CBZ18, CHC+05, DHC12, ED15].
GLL+18, GLG10, HXXJ18, HYZ16, KP12, LHLY11, LW17, LB19, LCSW18, MTNHI7, QL09, RCBB19, SC11, WXHS17, YLY+12, YCY+13, ZD12, ZK16, ZLJT17, BDBH15, DC15, Gui16, KD16, LAI+14, VPB15, WLC+15, YCY+15. Fréchet [WZ13b]. Free [ALR+13, CLZ+18, HF12, NA11, XSS17, YH13, CV14, RTWR15]. Frequencies [GKPS11, DI15]. Frequency [JRS18, LCWG19, CL14, MEOL14]. Frequent [MB16, SKDA19]. Frequented [CRK+19]. FRESCO [WL13a]. Friendly [SINS19]. Frog [HDS+18]. Frontier [PAL+12]. Fronts [RM13]. Full [DLT10, HL+10, IGA18, KA+10, LS10, ZOZ10]. Full-Text [DLT10, HL+10, KA+10, LS10]. Fully [GZS12]. Function [BS10a, CC11, FB19, FWA10, mHB13, JLwC11, JM12, KAL+17, KG12, LBM+18, LLZ+13, LHDS18, SZCX19, Val11, WYHD17, YRD+13, YFWZ16, ZD12, TAY15, WHZ14, XG14, YRD+14a, YRD+14b, YRD+15]. Functional [CNMI1, CHL+12, CM16, DSZ+06, GLW12, JLYZ16, Kar12a, KNS+05, KL11a, KK12, LFk16, LLH+07, LLHL19, MS17, MFS+15, MFF+18, MBB+17, SKDA19, Tah18, WMK16, WLCPI11, WWL19, WWHY19, WVBZ19, YN+18, ZD12, ZZN15, ZS19, DC15, JC15, LLL16a]. functionality [WL14]. Functionally [MP13, PB19, SFH+14]. Functions [AM12, DM09, MSK19, MPM11, PLCW17, RMV12, Tah18, WP08, AM15]. Fusarium [KZW+18]. Fusing [NLGG12]. Fusion [JXN+16, KZ10, QC+16, YMI11, ZIJ17]. Fuzzy [AGAS18, AFAAW+11, BMZM15, JXN+16, LHKL17, MP13, NPD+17, NNM+12a, PKM06, SY09, SKD+07, SMB15, TNQ08, YCY+13, GRD+14, HC14a, YCY+15]. Fuzzy-Adaptive-Subspace-Iteration-Based [SY09]. G [LBQ+13]. GA [MWSM12]. Gabor [MCCZC08]. Gabor-Wavelet [MCCZC08]. Gain [AC12]. Galled [CLR1V11, Son06]. Galled-Tree [Son06]. Game [LQV+13, MEOL14]. Game-Theory [LQV+13]. Gap [LNR+09]. Gapped [CWC04, WS08]. Gaps [GGP08]. Gastric [MBP+19]. Gate [Kar12b]. Gating [JLW17, Qiu14]. Gaussian [NFM+12, YGBB10, ZC11]. GBM [PL17]. GBM-Related [PL17]. GC [RKDR10, TSM14]. GC-content [TSM14]. GECC [RHK14]. gEFM [UAH16]. Gelsius [AAL+13]. Gender [YCZ+18]. Gene [AJD+12, AMG16, AKNB07, AOSN+18, ADR18, AW18, AKV16, AMH16, ABS17, ACW10, ACW17, APPG18, BM17, BE08, BEW09, BS11, BGS+12, BDP11, BHMA06, BCL+13a, BA18, Bon07, BLR08, CDB+16, CDW12, Che10, CM16, CPM18, CW10, DLT10, DGH+06, DRS12, DZH16, DCHW17, DKDD10, DHC12, DBK18, EAS13, ED15, FLAM15, GZG17, GMSD11, GMD18, GE15, GE18, GSC17, GHS05, HL16, HYW+17, HBB12, HXXJ18, HHHY07, HM12, HW14, HLY+16, HC16, HC07, HF12, HTLL12, INT11, IGM+07, IQA18, IBN19, IL18, JCF13, JZS+18, KBNH18, KBD19, KSN+12, KN05, KP12, KG12, KCC15, KCP18, KKK19, KB17, KB19, KK12, LCEM18, LEAK11, LTM+12, LTM+13, LBM+18, LRM08, LH10, LJK+12, LLHF15, LCZ16, LW17, LDM18, LB19, LHZ18, LJ+14, LNC+05, LHDS18, LW19b, LLL15, LLA19, LTT+19, LHY+11, LCC+11, LTRW19]. Gene [MRN09, MTSC010, MT11, MZL15, PMPI11, MDD18, MBF+11, MSG18, MG19, NRV09, NP+07, NI07, NSN12, PGHT12, PI99, PCDP18, PG06, PAAG07, PKM06, QD12, RM13, RC11, RDIWG09, RMV12, RRTB12, RW+10, RMS15, SSS+11, SSCS05, SMRP15, SSP+05, ST006, SIM12, SDC11, SV16, STB+19, SPA17, SKD+07.
SW09, SGK12, TIA°11, TAAP11, TZH07, TGGF10, THL11, TK05, TWZW16, TOYHZ19, UCI0, UKV18, Val11, VRK12, VRJ°10, VF09, WZA07, WLL°09, WL11, WKLL2, WLG°16, WLCX18, WWL19, WLHY19, WRH°09, WP08, WWC18, XHQ°18, XAW07, XOYHZ18, YLJX04, YNM05, YHB12, YLY°12, YCCM12, YGY°19, YNN°18, YOK10, ZZK18, ZLZ06, ZHSS07, Zha11, ZWSX12, ZNZ15, ZLH°17, ZXLZ18a, ZXLZ18b, ZZS18, ZACS09, ZWW°10, dCAR11, vBDRD°11, BM14, CZWT15, CM15, DYD15, DR14, FN14, HZTT14, JR14, JC15, LXZ°15, LLH°14, MM14a, MM14b. gene
[FNJ°14, RHH14, RHH16, WLY°14, WDX°15, XLC°15, YCY°14, ZZS14].
Gene-Duplication [BE08, BEW09, BS11]. gene-environment [LLH°14].
Gene-Expression [UVK18]. Gene-Species [MSG18]. Gene-Team [WKLL12].
Gene-to-Class [HYW°17]. Gene-to-Gene [GHL05, LNC°05]. Gene/Protein [ED15].
GeneNetFinder2 [HL16]. GeneOnEarth [TSMG°13]. General
[SC11, WKLL2, Wan12, YP13].
generalizable [TAL°15]. Generalizations [CLR09a]. Generalized [BBN19, BSLR05, HHSCI13, JMA17, ZACS09, ZAZ11, FN14].
Generate [YLCC13]. Generated [ZZS18].
Generating [PCG05]. Generation
[BBN18, FSI13b, KCD°12, AKD17, LHLY11, PNP°18, WPL15, YSC13, YWW°18, CWLZ14, KD16]. Generative
[ZDL12, ZWDW13]. Generator [HLG10].
Generators [ZWZS16]. Generic [BVN°11].
Genes [AAF°13, AAP06, BRF17, CZF°05, CHN°18, DZH16, DG19, EAS12, EFLA08, FFT16, HAH13, KCP18, LFK16, LTM°13, LLX°11, LZX°19, LXX°16, IWX°16, MP13, MS17, MMH15, PWT10, PL17, RYK°19, SSS°11, SBW15, SRM18, SDTK19, TZY11, WS12, WCX07, WGP11, XPHI12, ZLLZ17, ZOZ10, CBN15, DI15, KSM14, KKC°14, LW14, MFS°15, SKK14, Tah14, WFD15].
GENESHIFT [LTM°13]. Genetic
[AGAS18, BMK11, BvdGK°11, CSW11, CL15, CAN°08, DSHM08, FZWS17, GZFT15, Gos11, GZJH17, HCLS11, JSA08, JSS°18, JZS°18, KSM19, KN05, LL11, LLZC12, LWZ12, MTHN17, MTC°07, MDH11, MWSM12, MVW°13, OMAdG°12, PB12a, PI09, RKDR11, Sen19, Tho16, TSMG°13, TED°12, TBRS13, VMZM17, VKS17, VBG°18, WFY°19, WAG19, WCL11, XWF07, YCYC12, YLCC13, YAB13, ZLH12, ZWZ16, ZSD08, dJP08, ADTAQ16, CL14, HRHP16, PV16, RHH16, TLY°16, WLY15, ZWC15]. Genetics
[SLH06b]. Genome [AP07, AJM18, ANT19, BGS°12, BMM06, CZF°05, CHN°18, DGV°17, DWSB11, FLW12, FM13, FS13b, GZFT15, GSK13, GJZH17, GZC°17, HKS11, HWS°18, HBM19, Kim18, LN17, LW19a, MSS°13a, MA15, NPK°07, PIPC18, PS11, RZMC17, SKS°19, STHA15, SSSb13, TGLP16, TIA°11, TGP°15, Val11, VTGC16, WYY°13, WHZ14, XHY°18, ZZCY10, ZZS18, ZAZ11, ESW14, LHS16, SVM14, TLY°16, WLC°15]. Genome-Guided [FS13b, TGP°15].
Genome-Scale
[DWSB11, GJZH17, MPA15].
Genome-Wide
[BGS°12, DGV°17, FLW12, GZC°17, LW19a, NPK°07, PIPC18, SKS°19, TIA°11, Val11, VTGC16, WYY°13, ZZCY10, ZAZ11, WHZ14, TLY°16]. Genomes
[BCEF°07, GK19, HCMB18, LHL°19b, MS10, NLLH17, QLXX10, QTZ15, XZG15, YRGB10, ZHEB05, BS15, CA14, RB14].
GenomeTools [GSK13]. Genomic
[BBH°18, BKP°19, BKLS18, CKM°17, CHL°12, CHW°18, CBZ18, CRK°19, DHCW18, DMJ°18, DBTB09, FM12, FLM°16, GRS°13, HYC12, HCQ14,
KPK+17, MLW+12, MCC16, OLS+13, PHX+08, PG18, PWT10, RCP+18, RTPM+19, RH05, SHUP19, WMWA12, dSMDB17, GMB14, SSKH15, XLWL15, ZMP+14. genomic-range [SSKH15].

Genomics [KNS+05, PR18, RCM+19, YNN+18].

genomes [Nye14]. Given [GRU11, GG11, HC18, JLH16, KPK17, LHQ+18, MKH11, MSS+19, Roc11, RSKJ13, SHJL10, THH+19, UAH16, VCM07, WLG+16, WFF+19, WHXK17, YFWZ18, ZACS09, ZZDY13, DKS+15, JHXP15, KFFK14, ARZ+14, ZWL+14b].
grapp-based [DKS+15, KFFK14].

Graph-Theoretical [BCL13b, CHK17].

Graphical [HLDZ17, TRB08, TRB09, WQY18].

Graphs [Dem12, LSMW11, CFIS+15, ZLS+15].

Graphlets [ARS17]. Graphs [ALR11, BSV10, CRK+19, DH04, LFS06, NLHL17, NSNA19, PFG18, SVM14, ZHL+14].


Green [BdOS+18]. Gridding [LRV+06, SYZ+13].

GRO [AALD17]. GRO-Seq [AALD17].

Group [APRS11, GCB+18, IMA13, LDM18].


Grouping [ACWW05, ACWW07, GX+18, MP13, TDF+18]. Groups [LWW10].

Growing [BdOS+18, HAH13].

Growth [DST15a, KHP12, TRK13].

GSEH [KCP18]. GSGS [AJD+12]. Guaranteed [HYZ16].

Guarantees [BM13]. Guest [BLP18, BPW17, CEG14, Che12, CN12, Che13, ESW14, FJJ18, GJH19, GM16, HX17, HBG16, HBG17, HBG18, HBG19, KS13, KJO4, KJO5, LW15, MNA14,
Guidance [GSX^+18, MSS^+18b]. Guided [FS^+13b, MPS^+18, SLX^+14].
Guidelines [HLY^+16]. Guiding [HZYZ^+16].
gwAs [SAM^+19, BDD^+18, GDWK^+15, MWSM^+12].

H1N1 [BPJ^+12]. H3K^+15me2 [MMH^+15].
Hadamard [HS^+08]. Halving [AP^+07].
Hamiltonian [GFS^+13]. Hamming [TSM^+14].
Handcrafted [NBGL^+19, SDN^+11]. Handover [LHH^+19].
HapBoost [WYY^+13]. Haplotype [BH^+06, FHH^+11, GKS^+11, ICL^+11, PB^+12, TGLP^+16, TB^+10, WYY^+13, XYY^+13, PRZ^+14, PV^+16].
Haplotyping [BBSP^+08, BVD^+10, GGP^+08, LRR^+08, SHI^+06, XWC^+15, vIKKS^+08, KO^+15]. Hard [LGZ^+17, Roc^+06].
Hardness [BO^+12, JNST^+09, RCM^+19, LV^+14].
Hardware [DSVM^+18, FVLN^+15, AKD^+17, LSMW^+11, ZLS^+15]. Harris [SSD^+14].
Hash [ZLY^+12, HC^+14a]. HDS [CMS^+12].
Head [NP^+17]. Health [LKY^+11, SPK^+19, SGR^+17]. Healthcare [SJZ^+19, SGR^+17, WLWN^+17]. Heart [LKY^+11, BCMW^+15]. Heat [CRP^+12].
Heavy [NVSH^+18]. Heavy-Tailed [NVSH^+18]. Helix [MRB^+12]. Heme [ZCG^+18]. HEMEsPred [ZCG^+18].
Hepatitis [HEE^+18, LLW^+11]. Hepatocellular [YSW^+17].
Hepatotoxicity [SWX^+19]. Herbal [SYKS^+15]. herpesvirus [RB^+14].
Heterocomplexes [CWL^+12].
Heterogeneity [AGMP^+09, KCP^+18].
Heterogeneous [CKM^+17, Jam^+17, JGBR^+15, LHZH^+17, LBL^+10, Mat^+15, NTR^+16, PL^+17, WLC^+15, XW^+16, ZYF^+18, XLWL^+15].
Heterozygosity [CLH^+13]. HeteSim [ZLLZ^+17].
Heuristic [CH^+11, GGP^+08, HT^+09, HHL^+11, JNST^+09, PWT^+10, TB^+10, TDA^+09, YXY^+13, dDD^+18, GM^+14, IM^+14].
Heuristics [AOSN^+18, BE^+08, HOS^+12a, HOS^+12b, NL^+07]. Hexagon [LRL^+12b]. Hi [MP^+19]. Hi-C [MP^+19].
Hidden [Gou^+06, cLWA^+07, LGN^+19, PAS^+11, YHC^+19, SPW^+14]. Hierarchical [FFT^+16, GLG^+10, KAR^+12a, Mah^+10, PJ^+14, TNQ^+08, Val^+11, WAZ^+07, WLC^+11, YP^+13, ZLW^+11, ZBFK^+10, LLC^+15, WFD^+15].
High [AS^+05, BGS^+12, BWR^+12, CNM^+11, Che^+10, DP^+12, GGP^+08, HF^+07, How^+13, HDS^+18, KUR^+13, LDS^+07, LHL^+19a, LN^+13, LCZ^+16, LW^+18, JLL^+15, LHH^+16, MAZ^+12, MC^+07, MDM^+13, SYK^+17, YP^+13, ZZH^+18a, ZZH^+19, ZKL^+18, dSMDB^+17, DWZ^+15, GCC^+14, LHW^+15, Qiu^+14, WLG^+14, XZY^+14, YN^+14].
High-Dimensional [Che^+10, HDS^+18, LN^+13, Qiu^+14, YN^+14].
High-Order [LCZ^+16, ZZH^+19, DWZ^+15].
High-Performance [BGS^+12].
high-quality [WLG^+14]. High-Resolution [DP^+12].
High-Throughput [HF^+07, How^+13, KUR^+13, LW^+18, JLL^+15, MDM^+13, YP^+13, ZZH^+18a, GCC^+14].
Higher [MGKG^+17, ZLL^+17]. Higher-Order [MGKG^+17].
Highly [CCE^+19, GMP^+08, SSS^+11, WL1^+3a, HKNL^+14, SQZ^+14].
Hilbert [GZG^+17, LKY^+11]. Hill [RV^+06, KG^+12].
Hill-Climbing [RV^+06]. Hinge [FMD^+18, Shi^+10].
Histories [DR^+16, Ros^+13]. History [BB^+04, CW^+09b, LCW^+13, MKS^+17, TBR^+11]. HIV [AFAAW^+11, KS^+18, LSMF^+08, MMB^+13, NTC^+07, PR^+14, RB^+16, RM^+18, SYK^+15, Vis^+18].
HIV-1 [AFAAW^+11, RB^+16, SYK^+15, Vis^+18, LSMF^+08].
HIV-1-Human [MMB^+13]. HLA [IDD^+13].
HLA-DP1 [IDD^+13].
HMM [SB^+09]. HMMCAS [CY^+19].
hMuLab [WG^+17]. Holmes [WY^+17].
Homeostasis [MFS^+15]. Homo
Impairment [ZWS+18]. Implement [Gon13]. Implementation [BKLS18, HG16, LZ18a, CFIS+15, ZLS+15].
Implications [QV17]. Importance [FWA10, MMS10]. Improve [Bon07, MFF+18, PSN+15, XLL+18, ZLPW16].
Improved [BN06, CWC04, CW09b, Che16, GH08a, GSC+18, HL16, HPL+13, HDS+18, HLH11, ISK18, LWL+18, LZ18b, LJJZ13, LHKL17, Pol13, SFSM18, Tan14, TDY+18, WL11, WLG+14, YLCC13, ZCR+17, SB16, YN14, ZWC15].
Improvement [TW10]. Improvements [GG11]. Improves [HRdR09, KL11a, DI15].
Improving [AV17, ALWG18, CWDS15, CWL12, HYC12, Jam15, JBP08, JXN+16, LWT+18, LWM14, LHY+11, MG14, Tsa12, VKS17, WSX11, YMW+12, YFMC17, TYA15].
Imputation [CCE19, PVB+12, WCA+19, YPS11].
In-Frame [RLRH18]. In-silico [SYKS15].
Inconsistent [JS08]. Incorporating [BRZ+17, HLY+16, WP08, YPS11, ZD12, WLG+14].
Incorporation [ED14, GSC+18]. Increase [TC13]. Increment [FWY19]. Indel [dSMDB17, LW+19]. indels [BS15].
Independence [GZG19]. Independent [DSH08, FLAM15, SREK19, SDCW11, PSK+15].
Index [An04a, An05a, An06b, An08a, An09b, An10b, BG13, CZX19, EMK18, Tit13, Tit16, XTL12a, FN14, CMSE+15].
Index-Based [EMK18]. Indexed [dAc17].
Indexing [PF+19, SVM14]. Indicator [CPM18]. Indices [WLA+13]. Indirect [ASJ+07]. Indispensable [Zha18].
Individual [GGP08, MZ17, VF09, XWC15, BLR15].
Individuals [BZ08, MYCW12]. Induced [SSD12, SWX+19, TP18, WQY18, GCC+14, SSML15, WLY15]. inducing [MMSH14].
Inequalities [Mat09].
inequality [ZWC15]. Infer [CLH+15, QTZ15, SV16, VBB18, ZS18].
Inference [ADR18, ABS17, BDS12, BGHM09, BH06, CAN+08, DMJ+18, EAS13, FHI+11, GZFT15, GZC+17, GHL+05, HL16, HLY+16, ICL11, LCW13, LLHL19, LWZ12, MVW+13, PSS09, PCDP18, PB12, QV17, RC11, SN12, SLB+08, TBGL10, WKE11, WPL15, Wu11, XFW07, YHY13, YFCM17, YGY+19, ZZKW18, Zha11, ZWD+17, DNR15, PRZ+14, ZZ14].
Inferential [SVZ09]. Inferring [FSD+11, KCZ+15, LBM+18, LZHZ17, LLL15, MSG18, NI07, NSNN12, PKRD12, PNP+18, PAAG07, SSS13b, Tah18, TOYHZ19, WLCX18, WGBK16, XW16, ZSD08, CZWT15, LAL+14].
Infinite [BCVS19, Wu10, ZMT13].
Infinite-Dimensional [ZMT13]. Influence [FMRS18, RSCX18, TAPF11].
Influential [ATA+17, BTYC13]. Infuenza [BPJ12, ZYF+18].
Informatics [Kim18, MZ17, STHA15, ESW14, SPK19].
Information [AC12, AL12, BLR08, CKWY12, CAN+08, DGH+06, DMJ+18, DBK18, GPKS11, GBS11, HY+17, HXXJ18, HC13, HLG10, LLH+17, LDM18, LG+16, MGL+12, MPA15, NLGG12, PVB+12, RSG18, SMRP15, SWH+12, TZ16, VRK12, WL07, WDL+17, XTL12c, XLL+18, XLL19, YHY12, YHZ+19, ZM12, ZXLZ18a, ZXLZ18b, ZSD08, ZGB+12, BDBH15, CA14, GZGX14, HRHP16, MM14a, SLS+14, TAL+15, YLH+15].
Information-Theoretic [GBS11, ZSD08].
Informative [LLC+13, LLZC12, LLRZ15, LLC+15].
infrastructures [MKARB16]. Inheritance [HWPE17]. Inhibition [SYKS15].
Inhibitors [AFAAW+11, SB12, KBP14].
Maximum [ACPR10, BN06, BFK17, CCYW12, Csu04, GRH08, GM09, GB10, HZR+19, LCWZ13, MRS09, Roc06, SYZ+13, SLB+08, SCPS12, TDD14, CZWT15, HKLN14, SSKH15].

Maximum-Parsimony [SLB+08].

Maximum-Scoring [Csu04]. MCMC [AM19, MMS10]. MDA [YWN+19].

mDixon [BMT17]. MDR [SKS+19].

MDTE [WQL+16]. Mean [BZ10, SVZ09, ZAZ11].

Measure [BB11, HBB12, HLL1b, KPW13, LTM+13, MT11, Pol11, SGC07, SSD+16, SLS+14, SMK+12, BM14]. Measurement [TRKRC13, BCMW15].

Mechanisms [BH10, JZ13, KSA16]. MedCo [RTPM+19]. Median [MM08, JSA08, ME19a, ME19b, ME19c, UKV18].

Mediated [SML15].


Mediation [DPW12, ZL15]. Mem [WMK16]. Mem-mEN [WMK16].

Membership [MBM15]. Membrane [LLX+16, NF+12, SSP+17, WMK16].

Memetic [CFB+18, GPMH16]. Memory [CMSE+15, DBZ12, LL19, PFJ+19, TR07, WCLY12, ZLH12]. mEN [WMK16].

Med [HC14a, LMZ14, PFJ+19]. Merging [LV14, LLL16a]. MeRIP [CZM+18].


Metabolic [DMD13, GJZH17, LFS06, LCTS08, MG07, QV17, SBRK11, SMK+12, TLSA18, WWL16, YWK+07, vBDRD+11, SYV14].

Metabolism [ACC+13]. Metabolomics [QV17]. Metadata [FLM+16].

Metagenomes [LFK16, SWH+12, WWBZ19].

Metagenomic [JMA17, LHKL17, QTZ15, LSGZ14].


Metasample [ZZN+11a]. Metasample-Based [ZZN+11a]. MeTDiff [CZM+18]. Method [AAG+18, BG05, BRZ+17, BLR08, BZ08, CCYW12, DZA+06, DBZ12, DWSB11, DHC12, FWY19, GC+18, GCL+18, HYW+17, HZZY16, HLL+18a, HC07, HGM18, JLG16, KL115, LZC12, LZ+19, LG+16, LWZ12, LXG+16, LZZ+16, LHKL17, LLH18, LGX10, MWY17, MK16, NGY+16, PL17, PTH+18, RGI13, RL04, SH11a, SZ11, SNC+16, SSFW12, TWG+12, TBR13, TK05, USMS19, VTGC16, WBP+12, WZJH12, WHWP12, WCA+19, WLZ+19, WGK16, WW19, YH13, ZWSX12, ZCR+17, ZYF+18, DNR15, DPL+14, GCC+14, GH15, IM14, KKC+14, KH14, LLW+15, LLL16a, LLC+15, PS15, SYV14, YTL15, YN14, ZSY+14, ZGZ15].

methodological [BF14]. Methodology [JCF13, KG15].

Methods [AV17, ADR18, BLP18, CSK+11, CCE19, DLRW18, DPK+13, DPA+17, FS12, FS13a, FYSM12, JDCC12, KSN+12, LN13, LFL+15, LLP+13, LL19, MBB+11, RG16, SMK+12, TV11, WNT+17, WWBZ19, WU09, WU11, XLL+18, ZZRZP19, DS14, SQZA14, SFH+14, WDP15].

Methylated [HSHC13]. Methylation [CZM+18, DCH17, ML18, SKD+07, WXS+19].

Metric [BS09, CLR09a, CLR09c, CAN+08, HEF17, HY16, LRM12, Nak10]. Metrics [CLR09a, CLR09b, HSISM11, Mos07].
Metropolized [MMS10]. MHC
[EMDH11, FLW+14]. MHC-II [EMDH11].
Microalgae [BdOS+18]. Microarray
[ABVD12, BDP11, BZ10, BLP+12,
BHHMCL16, BJR08, Che10, EAS12, EAS13,
EFLA08, FJJ11, GKO8, HYW+17, HCl6,
IVA1, JCF13, KZ10, LTM+12, LTM+13,
LH10, LPH+13, LTL+07, MP13, MC07,
NU06, PSS09, RGCBO5, RV06, SVZ09,
SBW15, C11, SY09, SYZ+13, SIM12, ST05,
TZH07, TZ16, TGGF10, TZY11, TC13,
TBKH05, WGP11, WCA+19, WLPW16,
WDS+12, WWC18, WW19, XZC07, YM11,
YCO8, YNWC07, YPS11, YHBI2, ZLZ06,
ZHSS07, ZC11, BMM14, CZWT15, MM14b].
Microarrays [CD08, PBH+11]. microbial
[JHXP15]. Microbiome [JHXX17, ZHJ17].
microfluidic [AIS+16]. Microgla
[APA+17]. microhomology [SSD15].
microhomology-mediated [SSL15].
Micron [RA16]. MicroRNA
[GZ+18, LWL+18, LHZH17, LLL16a,
RPBP18, SPMB13, WZ13a, YWN+19].
microRNA-Binding [WZ13a].
MicroRNA-Disease
[LWL+18, LHZH17, YWN+19].
MicroRNAs
[PB19, WLC+14, WQL+16, YWN+19].
Microsco[p [SSD+16]. microscopy
[BLR15]. Middle [XHY+18]. Migration
[MLZ17, NGY+16]. Military [WNT+17].
Min [LLC+13, LCZ16].
Min-Redundancy [LLC+13]. MinePhos
[XTL12c]. Minimal [BNV+13, SMSZ17].
Minimization [BvdGK+11, GMPS08].
Minimizing [Zha11]. Minimum
[BGHM09, BM13, BCL13b, CEFBS06, CC09,
CD08, HEF17, MMS10, TLSA18, vIKKS08].
Minimum-Flip [CEFBS06]. Mining
[BNV+13, CLW13, CLC+17, HPL+13,
HW07, JR14, JLH16, LLW+11, LHLY11,
LNC+05, LWG+14, LCI0, MMB+13, MC07,
MSS+19, PR12, RMS15, SKDA19, ST06,
TK05, WCMZ15, WLWN17, XTL12c,
ZWZS16, Zha16, KD15, TAL+15, WSTL+15].
Minority [ZLZ+19]. MINT [HRHP16].
Minutes [LBL12a]. MicroRNA
[CLW13, CGW+16, LHC18, SFMS18,
SYKM17, XYZ19]. miRNAs
[KTLM15, LDL+17, QLZ16, ZZRZP19].
MiRTDL [CGW+16]. Mismatch
[Che16, YCYC12]. Missense [MBP+19].
Missing
[WCA+19, YPS11, ZZDW13, KS14].
Mitigate [CMSE+15]. Mixed
[HKM+18, PKRD12, SdOD+12, SLB+08,
SDTK19, WLZ+19, ZWZ16]. Mixed-Model
[SDTK19]. Mixed-Norm [WL+19].
Mixes [MMS10]. Mixing [PPZ12].
Mixture [BTT11, CGZ15, HY11,
LMZ17, WGY+19, PRZ+14]. Mixtures
[APRS11, GM09, RdCGW09]. ML [BU17].
ML-Space [BU17]. MMIRRFinder
[SSML15]. Mobile [GTTR+17]. Modal
[APPG18]. Mode [SPA17]. Model
[AVD+12, AGGM11, AGMP09, BBK+12,
BLP+12, BA18, BCFCC13, CP13, CW09a,
CW11, CGZ15, CAW+19, CGLF12,
CKY12, GXSZ17, GBS11, Gou06,
GJZH17, GBB+11, HZR+19, HY11, HS08,
HCLS11, I18, JHH12, JGBR15, JLL13,
JLYZ16, JLW17, JHW+19, KCZ+15, Kar12b,
KHP12, LLX+11, LHQ+18, MT12b, MT12a,
MBF+11, NA11, NPN+18, RAA10, RC11,
RCT10, RZMT15, RdMCBC13, RB11,
SSD19, SNC+16, SCCDK09, SMSZ17,
SWX+19, SDTK19, TRBK09, Tho16, TZY11,
VSR+06, WCMZ15, WQY18, WKE11,
Wig15, Wu10, WLS+12, YXYC13, YOGY11,
ZMT13, ZMS18, ZDL12, ZSS18, ZXB11,
ZWY+10, ZZDW13, DKS+15, HLW15,
JHX15, LW14, PRZ+14, RTWR15,
WFD15, XZY+14, ZMT14, ZWL+14b].
Model-Based [ILH18, TZY11, ZWY+10].
Modeling [CLST+13, CHL+12, DBTB09,
DABV17, FSBN+11, GGH+13, Go11,
GBB+11, HW07, JNF11, KAL+17, KG12,
LLES18, LLW10, LCB17, MPS18, ML18,
MVS+13, MNW+04, PLMV12, RCBB19, RdICGW09, RMS15, SOD+12, SJZ19, SGR+17, TV11, WLL+09, WGP11, WMWA12, WBP+12, WLWP16, WWL+17, WCXL18, ZZ13, BF14, DI15, KPB14, KD16, MCH+15, ARZ+14, PJN+14, YMT+14].

Modeled [YLH+15, ZSY+14]. Modeled [AKV16, BMZM15, LGN+19, ZK16].

Models
[ATA+17, AR09, APRS11, ALW18, AAE11, BTTR11, BHMA06, BU17, CNM11, CGPW06, Da16, EW04, FL18, FWA10, FKLS07, Gs11, GZ12, HS09b, KC11, KL11c, LL11, cLWA07, LW13a, LLA19, MBP+18, MLZ18, NSNN12, PB12a, PG18, Pau18, SFB+08, SZZ+19, Sn09, SYL19, TIA+11, THH+19, TRBK08, TBK10, VdTV19, VSR+06, VF09, VBG+18, WFY+19, XSS17, XWF07, ZWL+12, ZZ18, dJ08, HM15, KFHK14, SPWF14, ZSY+14].

Modes [UAH16, DB14]. Modifications [BYZ+18]. Modifications [TLS18].

Modified [BA18, EAS12, MCCZ08, SSD+16, SKD+07, XLL+18, ZLLS17].

Modular [RM18]. Modularity [HK12, WZ14].

Modulated [CHW+18].

Modulator [CRP12]. Module [ZRN15].

Modules [JLYZ16, KZ+18, KMG+05, LHL+07, LHC18, MSQ18, MTSC010, WLCP11, GGZZ14, LLL16a].

Modulizer [MBB+17]. Molecular [AFAW+11, ADPH11, BZ07, BS10a, CGLF12, CKWY12, CBES11, DM09, FGM10, Han10, PBP14, LCW+18, RP+13, RTA+16, RB18, WL11, WB11, ZGC+05, XZ11, ZZ11+1b]. Molecules [ARP+16].

Moment [BBW18, MLZ17].

Moment-Based [BBW18].

Monitoring [PHT+18]. Monte [GJY+14, ADTAQ16, AKV16, BI09]. MOPSO [CZJ17].

Morphogenesis [CHC+05, JGBR15]. Morphology [ZCWW19].

Morphometry [JFR+19].

Most [IMA13]. Motif [BNV+13, CW11, CL08, DBR07, HLH11, JL10, Kar12a, KL11a, KC11, LFS06, LMPT15, LCLL10, hLMBJ11, LH+19b, LT07, M1C+07, MM17, RL17, RSJK13, WLWP16, FWY+15, MMF14, Tan14, YHV+15, Bi09, CHK17, MMF14, ZZH18a].

Motif-Based [MM17]. Motifs [ACP10, BvBF+11, BVN+11, CFS06, CSS11, DS19, PCGS05, RA16, SKDA19, SRE19, SSF12, WHWP12, Wer06, ZZH18b, FWY+15, LWJ+14].

Motifs-Based [SSF12]. Motions [LBES11].

Morphology [JGBR15]. Morphometry [JFR+19].

Morphometry [JFR+19].

Morphometry [JFR+19].

Morphometry [JFR+19].

Morphometry [JFR+19].

Morphometry [JFR+19].
multi-platform
GMCB14, LLCZ15. Multi-Rank
WLCX18. Multi-Scale [HZW+17].
multi-scope [HWK14]. Multi-Site
JFR+19. Multi-Source [YSW+17].
multi-state [Gu16]. Multi-Swarm
NHTD17. multi-task [CR14].
Multi-View [LC19, SSF18, ZHIJ17].
Multicategory [ZHS07]. Multiclass
RM13, SSS+11, XAW07, YOKI09, ZC11.
Multicore [GDM18, MTM+15].
Multicriterion [YM11].
Multidimensional [HCA+10].
Multidrug [NTO07]. Multiexpressions
[Zou13]. Multifaceted [AL12]. Multiforme
CHW+18, ZLPW16. Multifractal
dSVMM18. Multigenomic [GXSZ17].
Multilabel [WL13b, YRD+14a].
Multilabeled [GJS11, HS11M11].
Multilevel [PLMV12]. Multilocations
WL13b. Multilocus [LLC+13, MWSM12].
Multi-MAGNA [VM18]. Multimeme
NTO07. Multimodal [GCZ18, HS09a,
HS09b, LGB15, SWL19, LLCZ15].
Multinomial [LV13a]. Multijobjective
HK07, MFP12, MMB+13, TKG13,
TGD+16, GAVRRL15, MM14b, SB12].
Multiparameter [SSDN12]. Multipartite
[VKM07]. Multiple
AM19, AAH+18, ALWG18, ABS15, BAK06,
BRZ+17, BLS12, BHHMCL16, Bro05,
CW12, CWL15, CGPW06, DBZ12, DK17,
DG19, DBN18, EMDH11, GZC+17, HL16,
HKT+18, HVG04, HS15, HPL+13, HLN+17,
HB11, JLYZ16, JXN+16, KKKC16, LH10,
LHZZ17, LWT+18, LCC+11, LW13b,
MSQ18, MHH15, MR10, NP13, NTR16,
PS11, PT09, PS15, QL09, QCW+16, RM18,
SHUP19, SK12, SSFW12, SPWF14,
TDY+18, TDA+09, VM18, WS08,
WLMW+11, WB17, WGX+17, WKHKK07,
WPL15, WLA+13, YHCS19, YLL+06,
YFWZ16, ZLPW16, ZLLS17, DNR15,
MW16, PJJ+14, YICW+15, YRD+15].
Multiple-Filter-Multiple-Wrapper
[TH10]. Multiple-Filters [BHHMCL16].
Multiple-Grain [JLYZ16].
Multiple-Sequence [NP13].
Multiple-Structure [WS08].
Multiple-Swarm [ALWG18].
Multiple-Valued [LW13b]. multiplier
CL14. Multipositional [GLW12].
Multiprotein [HK12]. Multiresolution
[HYC12, ZKL18]. Multisample
PR18, SSS13b, ZYW+13. Multiscale
GGH+13, GZC18, HMW+12, NNM+12b,
SCCDK09, ZLW+11. Multiseed [KN05].
Multistage [DLT10]. Multistate [GG11].
Multitask [FB19, LZH18, XPXY11].
Multivariate
[KPW13, Kuk13, ZAZ11, CBN15]. Muscle
BMT17, SXL+14. Muscular [BC+13a].
Mutogenesis [VGBK19]. Mutagenic
Che16, YCYC12. Mutant [HLG10].
Mutants [DSZ+06, GCC+14]. Mutated
[ZZ18]. Mutation
DSZ+06, LHDS18, MYCW12, RYK+19,
Th016, TOYHZ19, WKG16]. Mutations
[DFM+11, HCBM18, KCZ+15, KKC16,
MBP+19, PBJ12]. Mutli [BYZ+18].
Multi-Features [BYZ+18]. Mutual
DGH+06, LDM18, MAP15, SMRP15, TZ16,
ZGB+12, HRHP16]. My [MZSL19].
myonuclear [SXL+14]. Myosin [ZLS+19].

NAHAL [FMD18]. NAHAL-Flex
[FMD18]. Naive
[WDS+12, LW13a, SSP+17]. Nakhle
[CLR09c]. Name [YSC13, HWK14].
Named [AV17, HK15]. named-entity
[HK15]. nanotubes [MZX+16]. Nascent
[AALD17]. National [FFJ16, GJH19].
Natural [ZDL+19]. Nature [BS08].
Nature-like [BPP+13]. NeRNA
[SBY12, LTSS13]. Near
[BMH+16, BEW09, SDB+07, MW16].
Near-Linear [BEW09]. Near-Perfect
[SDB+07]. Nearest
[AC12, AWW18, ZSC+10]. Necessarily
[PK13]. Necessary [Son+06]. Negative
[LWG+18, PNP+18, RM18, TWZW16, WLG+16, XL16, YHCS19, WLG+14].
nearby
[HL+14], neighbor
[HIS15, LAY+14].
neighbor-joining
[HL+14].
neighborhood
[BS10a, GRH08, LGN19, MZL15].
neighborhoods
[CCLS13, HW13, LBL12b].
neighbors
[AC12, AWW18, ZSC+10, LMZ14].
nested
[Wan12].
nestedness
[GF10].
net
[BRS18, CNM11, ZLH+17].
nets
[RPBP18, WMK16].
Network
[AKMT12, AKV16, ABS17, BDS12, BMM11, BA18, BSLR05, BNV+13, CXW+16, CMQ+16, DFTC12, DS19, EMK18, FHRG14, GLL+18, GPMH16, GSC17, GLH05, HAK+12, HS09b, HW07, HGM18, JDDC12, KZV+18, KAHK+10, LCWZ13, LCZN16, LNC+19, LLES18, LLZ+13, LHZ17, LLL15, MMB+13, MLZ18, MGK+17, MM17, MWW+18, MVW+13, NNSZ07, PSS09, PL17, PCDP18, RC11, RB16, RV13, SQZA14, SVdSS+18, SMSZ17, SWL19, TIA+11, TLSA18, TDK13b, TP18, TC13, TOYHZ19, VSR+06, VM18, WHWP12, WLL19, WFWY+19, WER+06, WKG16, WW19, XWF07, XW16, XGYHZ18, XYYC13, YFMC17, YG19, YCCM12, YGY+19, ZZK+18, ZDL12, ZZ15, ZWL15, ZHW+17, Zha18, ZXLZ18a, ZXLZ18b, ZHZ19, ZK16, ZS18, ZWD13, ADTAQ16, DDBH15, FZM15, HLW15, LP15, MMFD14, MG14, SEC15, TWZ+14, WZC+15, XLC+16].
Network-Based
[GSC17, PSS09, RV13, WKG16, FHRG14, SQZA14].
Network-Lasso-Constrained
[GHL05].
Network-Regularized
[MLZ18].
Networking
[DG19].
Networks
[AVD+12, AGAS18, AAM+18, AFJ12, ARS17, ABS15, APPG18, BBW18, BSG+12, BZ07, BCL+13a, BvBF+11, BD19, BSV10, BJ10, BPJ12, BVL+11, CVR09, CLR09d, CLR09b, CLR09c, CDB+16, CC07, CW12, CXW+13, CHW+18, CWG+18, DZH16, DS19, DBN18, DT11, EAS13, ECK16, EMK18, FMR18, FZWS17, FSDR16, FSX19, FPPR11, FSD+11, GH08a, GDM18, GSS+11, HLM+13, HB05, HC19, HS09a, HF07, HM13, HAI13, HMW+12, HLY+16, HC13, HvIKS11, HDKS04, Hu09, INT11, IBN19, IL18, JvI18, JBlS19, JLY16, JSS+18, JZS+18, JN10, JFN11, JH19, KBN18, KN05, KP12, KCC15, KS12, KCC16, LFS06, LCTS08, LSMF08, LLH+07, LL11, LCZN16, LT17, LLNW17, LLL16b, LW13b, LTRW19, MSQ18, MSP+19, MBGP12, MPA15, MDD11, MPY18, MPQY19, MDD18, MNW+04, MDPR18, NAK10, NRV09, N07, NSNN12, OMA+12, OYDZ15, OC13].
Networks
[PB12a, PAL+12, Pau18, PLCW17, PH10b, PCK19, PNP+18, PB12b, PPZ12, PR12, QD12, RST10, RMV12, RRTB12, RMS15, SdOD+12, SREK19, SS06b, SV16, SPA17, SNM12, TIA+11, TAAP11, TWG+12, TGK13, TGD+16, TV11, TGGF10, TQP17, TR07, TDK13a, UWL15, VRK12, VBB18, WLL+09, WLC11, WLL16, WP08, Will11, Will12, XWF07, YKW18, YFWZ16, ZM12, ZLY+13, ZZN15, ZW16, ZZM17, ZSD08, ZWW17, ZWD+17, ZZWD13, ZDYH17, Zou13, dJP08, vIKK+09, CWT15, CXS15, DYG15, GTDK15, HKLN14, KH14, KD15, LLW+15, MW16, MM14a, NCMCAR15, PWC15, RHH16, SRLR14, XG14, ZZW14a, ZWC15].
Neural
[CC07, FSX19, HB05, HF07, HLG18b, KN05, LSMF08, RMS15, SWL19, XLZ+15, XWF07, ZZD19].
Neural-Genetic
[KN05].
Neuroimaging
[WLA+13, ZKL18].
Neuroinformatics
[NPK+07].
Neuron
[PTM+19].
Neuronal
[GF10].
Neurontoxin
[MWLS18].
Neurontoxin-A
[MWLS18].
Neutral
[BWC+17].
NewGOA
Operators [GSC17]. Operon [CYTY13]. Optimal [AM19, BBN18, BHS+04, BAK06, BFK17, Dal16, DK13, DYD15, DFM+11, HYW08, MCRC17, Mue09, MDD18, SK08, SPMB13, THH+19, WAK13, YOKI09, ED14].

Optimality [ACC+13]. Optimization [AKS13, CAW+19, Che16, CYTY13, DMD13, ED15, G08, GSX+18, GCL+18, HKK07, HSS18, HOS+12a, HOS+12b, mHB13, HGM18, HrdR09, IGM+07, JDC12, LZH18, MPF12, Mai09, Mat07, MLZ17, NPD+17, NHTD17, NLW+18, ORCJ13, PAAG07, RKDR11, SdOD+12, SDS18, SB12, SMSZ17, SB16, VGBK19, WWLL16, WB17, WZZ+18, XSS17, XWF07, XAW07, XZG+18, ZwGC17, ZD17, ZGB+12, GÁVRR15, Gu16, SPWF14].

Optimization-Based [ED15]. Optimized [EFLA08, HDS+18, GH15]. Optimizer [GSX+18]. Optimizing [Bro05, Jam18, KBBD+17, LMZ14, PB12b, Pol11, TC16]. Optimum [WS08]. Option [QBPEL12].


Organized [WZ14]. Organizing [WZA07]. Oriented [CLH+15, LHC+16, MCD+11, MDPR18]. Origin [BPJ12, RB14]. Ortholog [VKM07]. Orthologous [CFZ+05, ZSZ18].


Pancreatic [BMH+16, MFS+15]. Pandemic [BPJ+12]. Panmictic [WZ14]. Papers [An05b, Ano09c, Ano12a, Ano13d, Ano13b, Ano13c, Cat17, Kim18, LC10, AS15].

ParaCells [SYL19]. Paradigm [SSD19, XG14]. Parallel [BBK+12, BBH12, Dem12, GLS+16, GDM18, KK19, LHS16, MBGP12, MPA15, OMWX09, PFJ+19, PTM+19, TIA+11, ZLS+15, CFIS+15, GPsFC15, GYJ+14].


Parameter [BBW18, BS11, BBK+12, BS07, CAW+19, DK17, FKL07, GB10, HF12, MNN13, PK13, SGMH12, WWLL16, ZWL+12, Gu16, HLW15, ZSY+14]. Parameter-Advising [DK17]. Parameter-Free [HF12]. Parameterized [BN06, BvBF+11, SLH+06a, SCC+15].
Phenotype [ABVD12, CSW11, DMJ+18, ED15, WDX+15]. Phenotype-dependent [WDX+15]. Phenotype-Specific [ABVD12]. Phenotypes [WLHY19, TWZ+14]. Phenotypic [PN17].

Phenotypically [QD12]. Phenotyping [ZDL+19]. Phi² [MPA15].

Phosphorylation [XTL12c].

Phosphorylation [CRP12, XW16, LWG+14, TAL+15].

Phylogenetic [BZ07, BG12, BS07, BGM09, CRV09, CLRv09a, CLRv09b, CLRv09c, CW12, GH08a, GFS13, GJS11, HvIKS11, HDKS04, Hus09, Jam17, Jam18, JS12, Jv18, JST09, KL11a, LFK16, LRM12, LHG+16, LCSW18, Mat09, MPKvH09, MNW+04, Mos07, Nak10, PAS+11, PB12b, RdMCBC13, Roc06, SNM08, SDB+07, SWH+12, SSS13b, WLMW+11, WBE13, Wil12, WMS09, ZM12, vIKK+09, DNR15, DS14, MW16, Nye14].

Phylogenetics [AR09, Gus09b, HMS09, MBKK18, TM11].

Phylogenies [BCVS19]. Phylogenomics [PR18, SZZ+19]. Phylogeny [BBSP08, BFM13, BM13, GG11, HKM+18, MR10, MS10, SM08, SLB+08, WYL07, vIKKS08, KS14]. Physarum [GLL+18, LGZ+17]. Physarum-Based [LGZ+17]. Physarum-Inspired [GLL+18].

Physical [BCL13b, GLS+16, WRH+09, KSA16].

Physicochemical [ADPH13].


Polynomial [Gra04, Pol11].


Population [CLS19, LLX+11, LHQ+18, LT07, PR18, SLH06b, TBR11, VdTVV19, LAl+14].

Populations [NGY+16, PN17, SHUP19, WU10, WU11].

Position [AH11, GSX+18, JLwC11, PRU11, RW07].

Position-Specific [AH11, JLwC11],

positional [KD16]. Positioning [CHN+18].

Positions [CGZ15, GZGX14].

Positive [BD08, U09]. Positives [HZTP12].

Possibilistic [SKD+07]. Possible [SLH06b].

Post [RCM+19, TSM14]. post-processing [TSM14]. Post-Sequence [RCM+19].

Postcryopreservation [NFM+12].

posteriori [CZWT15]. Postfix [HEK18].

Potent [SYK15]. Potential [AFAAW+11, HKS11, SB12, SMSZ17, KPB14, LLW+15].

potential-based [LLW+15]. Potentials [DZ11].

Power [ANR11, ALWG18, PBH+11, LWM14].

power-law [LWM14]. Powerful [AAP06, GDM12, VTGC16, IM14].

PPI [HC19, HC13, LCPW13, LLW+15, LLN17, LTR19, OC13, VBG+18].

PPIs [LZ18b, LZL+19]. pplacer [LFK16].

Practical [DBR07, HLY+16, HvIKS11, ME19a, PVB+12].

Practice [SDB+07, BF14]. PRBP [MGX15].

Protein-Binding [ZZDY13].

Protein-DNA [ASJ+07, CLST+13, HLZ+17, LSTW+17].

Protein-Ligand [AM12, WLL13].

Protein-Peptide [YHYY12].

Protein-Protein [AC12, ADPH13, BCS11, BSV10, BVN+11, BNV+13, ECK16, FSDR16, GED+17, HLV+10, HMK+07, JLYZ16, KAHK+10, Mamt05, MDM13, OYDZ15, PR12, RSG18, SBM15, Tsu12, YKWK18, YHZ+19, ZYL+12, ZDL12, ZLY+13, ZZD12, ZDYH17].

Protein-RNA [KSK+18, LW19a].

Protein-to-Protein [XG14].

Proteins [CYJ+19, DBK18, FL18, GAR+09, HCA+10, HLG10, KNTB18, LCWZ13, LLX+16, LYL+17, LLNW17, LNC+19, MGL+12, MGXS15, NLGG12, QL16, QWC+16, SKDA19, SP11, SSS+11, SSP+17, Tah18, TR07, WMK16, WBP+12, WLWP12, WKE11, WZ13a, YFWZ18, Zha18, ZXLZ18a, ZXLZ18b, ZZDY13, ZBFK10, dAc17, DGRC15, GKJ15, LLW+15, PW+15, TWZP14].

Proteomic [MCC16, RLRH18].

Proteomics [KBBD+17, PH10a].

Protocol [JHW+19].

Proteome [BBBD+17, PF10a].

Protozoan [GAR+09].

Protozoan [ESS14].

Protozoan [Gar+09].

Proximity [KF13].

Prune [WM19b].

Prune-and-Regraft [WM19b].

PSAD [ZLXL19].

Pseudo [LLTC19, NLGG12].

Pseudogene [JZW17].

Pseudoknot [CC11].

Pseudoknots [Jia10, MWL+12, RAA10, SW17, WHSO4, WCLY12].

PSO [SSS+11, AV17, HYW+17, MM4b, ZWL+12].

PSO-based [MM14b].

PSPEL [LYL+17].

Psychologically [TNQ08].

Publiccast [GTTR+17].

Publications [GTTR+17].

Publishing [Ano13e].

Pull [GZS12].

Pure [BVD+10, BH06, HVGO4, ICL11].

Purely [MSKC19].

purification [CWZW15].

purification/mass [CWZW15].

Putative [CA+08, LPH18, SSP+17, YCCM12].

PyMut [LHDS18].

QSAR [WB11].

Quadratic [FWY19, RB14].

Quadruplexes [LBQ+13].

quadrupole [CB+16].

Qualitative [BDS12, INT11, Paul18].

Quality [ANR11, BZ10, GAJ+18, SGR+17, WLG+14].

Quantification [RCBB19, LCOMG14].

Quantifying [FLW+14, GF10, ZLH12].

Quantitative [AAF+13, ARM+19, BCMW15, BMZM15, CMC+12, FYSM12, IDD13, MVS+13, PLMV12, TRKRC13, RTWR15].

Quantum [Kar12b].

Quantum [Kar12b].

Quartet-Based [WYL07].

Quartets [GBS+13, SR10].

Quasi [CAW+19, Kar12a, LLW10, MMB+13].

Quasi-Bicliques [LLW10, MMB+13].

Quasi-Newton [CAW+19].

Quasi-Supervised [Kar12a].

Queries [Jam18, SVM14].

Query [HHSC13, NSC17, PHX+08].

Query-Based [HHSC13].

Querying [BSV10, FPPR11, Jam17, MCC16, QKÖ18].

Quest [DHCW18].

QuickVina [HOS+12a, HOS+12b].

Quorum [CZJ17, Kar12b].

r [SIM12, BBH12, VPB15].

R-based [VPB15].

R5 [LSMF08].

R5X4 [LSMF08].

Radial [DM09].

radiation [SDAA+14].

RAFP [KNTB18].

RAFP-Pred [KNTB18].

Rafts [HBRU13].

Random [ALQ17, ABS17, CMSE+15, CSK+11, Cza18, Gru11, HCMB18, HBC+11, ISK18, LHZH17, MGXS15, PGHT12, PLCW17, RW07, WL13b, WFWY+19, WWL+17, XW16, YSW+17, YFWZ18, ZLZ+19, ZHE19, CWZW15, DGRC15, GZSZ14, SHK14,
SPWF14, YLH+15. **Randomized**
[AJYT+15]. **Range**
[HYW08, MK16, SSKH15]. **RANGI**
[RSJK13]. **Rank** [CDB+16, LC19, LCW+18, WLCX18, WLZ+19, XHRQ+18, XLL+18, YZG+17, SFH+14]. **Ranked**
[DRS12, DR14]. **Ranking** [AM12, DLT10, EF108, LLJ+15, LLI9, LGX10, RMV12, RV13, SPMB13, Ts12, ZLZ06, ZWSX12].
**Rapid** [XLC+15]. **Rate** [AGMP09, GGP08, GCB+18, HLM+13, JS12, LKY+11, SS04, XSS17, YAB13, ZMT13, CWDS15, ZMT14]. **Rates**
[EW04, HB11, GJY+14].
**Rates-across-Sites** [EW04]. **Ratio** [SBW15, WM19a]. **Raw** [STB+19]. **Ray** [Sr11]. **RBioCloud** [VPB15]. **RBS** [HPH+15]. **RDCurve** [LGX10]. **Re**
[YLS17]. **Re-Mapping** [YLS17]. **Reachability** [GTDK15, Gos11, LT17].
**Reaction** [BBB18, FMR18, FZWS17, HLM+13, HM13, MDPR18, TLSA18, Tzp17, VSR+06, SYV14].
**Reaction-Diffusion** [FZWS17]. **Reactions** [BCFCC13, DB14, XLC+15]. **Reactive**
[GLS+16]. **Read** [AKLJ17, JZW17, AKD17, LKW+19, MTM+15, ML18, TED+12, TC16, CWLZ+14, FSL+15]. **Readable** [HLG10].
**Reading** [GGP08]. **Readmission**
[WCC+18]. **Reads**
[KK19, PS11, STB+19, FSL+15]. **Real**
[HG16, LKW+19]. **Real-Time** [HG16].
**Rearrangement**
[BMM06, BFM13, CZF+05, FM11, HWS+18, MMS10, MS10, ZZ07].
**Rearrangement-Based** [BFM13].
**Rearrangements**
[BG05, FM13, HBM19, BS15]. **Reasoning**
[BDS12, BD19]. **Reassortment**
[BJ10, BP12]. **RecA** [SB12].
**Recalibration** [BM08]. **Receiver**
[WLA+13]. **Receptor** [HBRU13, STT+14].
**receptor-ligand** [STT+14]. **Receptors**
[ISK18, KAL+17]. **Recipe** [LLX+11].
**Reciprocal** [QLLX10]. **Recognition**
[ASJ+07, AV17, FLW12, HLR18, LGW19, TGLP16, VKS17, Xu05, ZZC10, ZCWW19, DPL+14, HK15, MNA14]. **Recombinant**
[Wu11]. **Recombination**
[BB04, NNSZ07, NLHL17, GJY+14].
**Recombinations** [PBJ12]. **Recommender**
[WLCX18]. **Reconciliation**
[GET13, KB17, KB19, LCEM18, LB19, USMS19, WHBM15, ZZ14].
**Reconciliations** [DHC12, HZR+19].
**Reconciling** [Wil09]. **Reconstruct**
[AJD+12, BA18]. **Reconstructibility**
[MNW+04]. **Reconstructing**
[CW09b, HMW+12, HvIKS11, KP12, NNSZ07, SW09, TRS11]. **Reduction**
[BM13, CDB+16, CH11, CW+12, HAK+12, HWPE17, IGA18, KSTM19, LHH13, LLZ+13, LCSV18,ROC06, SDB+07,Str11, VMD+08, WYL07, CXS15, HZT14].
**record** [Jam15]. **Records**
[HXXJ18, SGR+17]. **Recovering** [YHC19].
**Rectangular** [GZS12]. **Recurrence**
[SMRP15]. **Recursive**
[CC07, HB05, XL16, XW07]. **Recursive**
[HLY+11, MT11]. **redesign** [STT+14].
**Redesigned** [NLW+18]. **Reduce**
[MTNH17, SSD19]. **Reduced** [BPP+13, CLR09c, HZTP12, Nak10, PB12a, SSS+11].
**Reduced-Order** [PB12a]. **Reduction**
[BHMA06, CRM08, MBKK18, Pau18, RBd11, ST05, SCDD09].
**Reduction-Based** [ST05]. **Redundancy**
[LLC+13, WSX11]. **redundant** [MM14b].
**Reference** [AAH+18, PS11]. **Referential**
[WL13a]. **Refine** [XLL19]. **Refined**
[LNC+19]. **Refinement**
[LCLL10, MDPR18, PCDP18].
**Refinements** [BvdGK+11]. **Refining**
[WMS09, ZM12, ZZH18b]. **Reformulated**
[GLS+16, SPMB13]. **Reframed** [GJZ17].
**Region** [BDOS+18, MYCW12, OLS+13, SKA19, GBTL14]. **Regions**
[BTYC13, CRK+19, CAN+08, HHSC13,
LZ18b, MK16, MCCZC08, PWT10, TWG+12, YNWC07, ZKP+07.

**Regulation** [MCRC17], **RegNetC** [NCMCA13].

**Regression** [AGGM11, BTTR11, CSK+11, EMDH11, FYSM12, GCB+18, JHW+19, LW19b, MLZ18, P9 IMD17, PNP+18, QL09, ST05, SZZL11, TGGGF10, WGX+17, WP08, YZG+17, YLH+15]. **Regular** [ARM+19, SNMI2, Wili1]. **Regularization** [JHX17, LCW+18, ZYW+13, JHXP15].

**Regularized** [EZW+17, LWG+18, MLZ18, TGGF10, WL+16, WCA+19, WLZ+19, ZDL12, ZLH+17, CR14, Mir14]. **Regulating** [MVW+13]. **Regulation** [BCL+19a, DS19, DBTB09, Gou06, KCCC15, LLA19, PAAG07, WMWA12, KD16].

**Regulations** [LCZN16]. **Regulators** [HL16]. **Regulatory** [AOSN+18, AGAS18, APPG18, BMK11, BGS+12, BA18, CDB+16, CXW+13, CHW+18, EAS13, FZWS17, FSD+11, GHL05, HL16, HLY+16, INT11, IBN19, IL18, JSS+18, JZS+18, KBNHD18, LL11, LCZN16, LT07, LHC18, MTSCO10, NR09, NI07, NSNN12, PB12a, PCDP18, QD12, RC11, RST10, RRTB12, RMS15, SV16, SPA17, TAAP11, VRK12, WLL+09, XWF07, YCCM12, YGY+19, ZKKW18, ZM12, ZW26, ZSD08, ZHH18b, dJP08, CZWT15, DYD15, GGGZ14, KKC+14, LLL16a, MM14a, RHH16, ZWC15].

**Regulon** [OMAdG+12]. **Reinforcement** [IBN19]. **Reject** [QBFEL12]. **Rejection** [YBGB10]. **Related** [AC12, FFT16, JZSZ12, MYCW12, PL17, RYK+19, WWCC18, MFS+15, SFH+14, Tah14]. **Relational** [RBdIVMPG16, SKU+07, GJPSV14].

**Relations** [HL16, HK15]. **Relationship** [YNN+18]. **Relationships** [LHH13, LNC+05, YPS11, GJPSV14, LKL14].

**Relativity** [CLH+15]. **Relaxation** [AKR12]. **Relaxed** [ZGDH16]. **Relaxing** [BCVS19]. **Release** [JLW17]. **Relevance** [MBGP12, MBP+19, RYK+19, SW17, BCL15, LHWF15]. **Relevant** [AGGM11, KTL15, SD+11, ZOZ10]. **Reliability** [LEAK11]. **Reliable** [CBZ18, GJY+14, SDAA+14, WLX18].


**RENNSH** [MRB12], **REPA** [PIPC18]. **Repairing** [CDB+16]. **Repeat** [KXZ11, ZKP+07]. **Repeated** [PGS05]. **Repeats** [CW09b, SS06a, TDA+09]. **Replacement** [MRK18]. **Replicated** [LLHF15, SVZ09, SGK12, ZAZ11]. **replicates** [PJN+14]. **replication** [RB14, SSM15]. **Repositioning** [RV13, WCQ+19]. **Representation** [CL08, HLZ17, JHL16, JHX17, KY19, LCB17, LW13b, SSDN12, WLY19, WLZ+19, XHQ+18, YYS16, YZG+17, ZLW+11, ZZN+11a, ZXL+14].

**Representations** [DLRW18, SGR+17]. **Representative** [IMA13]. **Represented** [SSS+11]. **representing** [KGIK14].

**Reproducibility** [EFLA08]. **Reproducibility-Optimized** [EFLA08].

**Reprogramming** [MSP+19]. **Repurposing** [WLX18]. **requirement** [DN15].

**Reranking** [YHY12]. **Resampling** [LLHF15]. **Rescue** [DSZ+06]. **rescuing** [FSL+15].

**Research** [BPRZ11, CZ12, HML17, HLSR18, MPZ07, MPZ07, MFS09, MWZ13, MSZ19, MNPZ10, MS+13a, UBP+19, CEG14, SVM14].

**Reserve** [BS08]. **Residual** [FSX19].

**Residue** [CD08, GLZ14, MGX15, MZS+16, TRRK08, TRBK09, ZG19].

**Residue-specific** [GBLZ14]. **Residues** [CWL12, CDK09, GLW12, HLZ+17, KSK+18, LBL12b, MGL+12, WZ13a, ZCG+18, FLW+14].

**Resistance** [AHT+18, KS18, MWZY17]. **Resistant** [MWD11, FN14]. **Resists** [RKDR10].

**Resolution** [DPW12, HCL11, LDS+07].
Software [Ano13b, Ano13c, CM15, GSK13, AKD17, MZ17, XHS15]. software [Ano13d]. Solid [KHP12]. Solution [BSST08, HLM+13, LV14, XLC+15, SAM+19]. Solutions [AM19, BLS12, WOYL17].

Solvent [GSC+18]. Solving [BMM08, LGZ+17, ARZ+14, PHX+08, TGP+15].

Somatic [KCZ+15]. Some [BvdGK+11].

Sorting [BBCP07, BSTST08, BS15, EH06, GBD17, HZL19, HBM19, MR10, QLLX10, Wan16, dDD18, ZD14]. sound [BCMW15].

Source [YSW+17]. Sources [JSA08, LZXH17, RM18]. SP [ADPH13].

SP-Dock [ADPH13], spa [AKNB07]. Space [AKS13, BPV+11, BSST08, DKCM12, DHC12, GLS+16, HZR+19, HZZY16, Nak10, NSNN12, OP11, YLL+08, ZZY+17, LHS16, SHK14, BU17]. space-efficient [LHS16].

Spaced [Zha07, LMZ14]. Spaces [DSZ+06, HEF17, YDM+08]. Spanning [HEF17]. Sparse [BBH12, CDB+16, Che10, CZX19, FYSM12, GCB+18, JF11, KSN+12, LDM18, LLT10, LXG+16, MLZ18, SdOD+12, TP18, WHXS17, XL16, YXS16, YCCM12, YZG+17, ZDL12, ZmCSX17, ZZN+11a, SXL+14].

Sparsity [NSNN12, MMSH14]. sparsity-inducing [MMSH14]. Spartan [ATA+17]. Spatial [BU17, HKT+18, JL10, Lu+15, CH10, LW18, LCOM14, RKZ16, SSF12, ZYF+18].

Spatial-Temporal [ZYF+18]. spatially [ZMC+14]. Spatio [SDA+06].

Spatio-Temporal [SDA+06]. Special [Ano09c, Ano12a, Ano13d, Ano13b, Ano13c, BLP18, BPW17, BPRZ11, Cas06, CZ12, FS12, FS3a, FJJ18, GH08b, GJH19, Gns09b, GM16, HMZ17, HBG16, HBG17, HBG18, HBG19, HMS09, KJ04, KJ05, MPZ08, MPS09, MWZ13, MSZ19, MNPZ10, MJ18, TS17, TS18, TH18, WXY16, WLWN17, WH11, YS17, ZC15, dSK13, ECG14, LW15, MKAR16, PR14, SA15, XHS15, Ano05b, Cas07, LNY05b, LNY05a, MPZ07, RZF07].

Speciation [ZZS18]. Species [ADR18, DRS12, DR16, DHC12, LB19, MSG18, SRM18, VRJ+10, Zha11, DR14, HWK14].

Species-Based [VRJ+10]. Specific [AH11, ABVD12, CSS11, LJC11, MSQ18, MZS+19, MB16, RB16, XLZ+15, YKW18, ZCG+18, ZHE19, GBLZ14, MZS+16, MEOL14].

Specificities [LLX+16]. Specified [ZWL11]. Spectra [BM08, BKR11, LNZ17, OG11, YKW17, ZGC+05, ZGB+12, DST+15b]. Spectral [FLAM15, SSN12, SH11b, WNT+17, YLY+12, ZHJ17, ZYW+13]. Spectrometry [ASI+11, BBN19, HY11, KSS15, PH10a, SN12, YMW+12, ZLW+11, CWZW15, KGF+14, SHK14]. Spectrometry-Based [SN12]. spectroscopy [CZB+16].

Spectrum [KSS15, Pre04, SVdSS+18]. Speed [BE08, TC16]. Speed-Up [BE08]. SpeedHap [GDP08]. SPF [HKT+18].

SPF-CellTracker [HKT+18]. Spike [HLL18b]. Spin [AAG+18]. Splice [KCD+12, LKL14]. Spliced [RLRH18].

splicing [LKL14]. Spline [ZXB11, ZSY+14]. Split [BG12, MPKvH09, PB12b, SNM08, SNM12, BCMW15]. Splits [ADR18, DH04]. Spots [SP11, ZLZ+19].

SPR [CCLS13]. Spreadsheet [VSR+06].

Spring [DABV17]. Spurious [ZZDW13, ZDYH17]. Square [Cza18].

Squared [CD08]. Squares [FYSM12, LN13, WWC18, MBS15].

Squares-Based [WWC18]. Stability [CXW+13, FZWS17, HLG10, LFK16, LGX10, MT12b, ZLH12, ZW16, ZL15, ZWC15].

Stability-Based [CXW+13]. Stabilization [AGAS18]. Stable [CBZ18, SMRP15, W15, YHB12].

Stacking [SSD+16]. stacks [MRC17].

Stadiums [Cza18]. Stage [HLL+18a, HHH07, KKK19, TZ07].

Stage-Dependent [KKK19]. Stages [DCHW17]. Staphylococcus [AKNB07].

STAR [ADR18]. Start [IGM+07].
Starvation [RBdJ11]. State
[CHW^18, Gus05, Gus06b, Gus07c, HLM^13, JHHL19, KBHN18, MT12a, MPY18, NSNN12, SH11a, SW17, SBRK11, ZZKW18, ZMT13, ZWL^12, EES14, Gu16, SYV14]. State-of-the-Art [SW17]. State-Space [NSNN12]. States [CHW^18, Gus05, Gus06b, Gus07c, HLM^13, JHHL19, KBHN18, MT12a, MPY18, NSNN12, SH11a, SW17, SBRK11, ZZKW18, ZMT13, ZWL^12, EES14, Gu16, SYV14].

Statistical [EFLA08]. Statistical [AH11, AGMP09, CW09a, CBN15, DADF10, HSTW06, KSN12, RCBB19, RSP08, YOGY11, ZS18, BMM14, WSTL15, XLC15]. Statistically [YNWC07]. Statistics [HCQ14, Mat07, NU06, SBW15].

Statistic [EFLA08]. Statistical [AH11, AGMP09, CW09a, CBN15, DADF10, HSTW06, KSN12, RCBB19, RSP08, YOGY11, ZS18, BMM14, WSTL15, XLC15]. Statistically [YNWC07]. Statistics [HCQ14, Mat07, NU06, SBW15].

State [CHW^18, Gus05, Gus06b, Gus07c, HLM^13, JHHL19, KBHN18, MT12a, MPY18, NSNN12, SH11a, SW17, SBRK11, ZZKW18, ZMT13, ZWL^12, EES14, Gu16, SYV14].

Static [GBJ08, MKS17]. Stationary [APPG18].

Statistics [HCQ14, Mat07, NU06, SBW15].

Static [GBJ08, MKS17]. Stationary [APPG18].

Structured [CCA12, DBZ12, MKH11, ZCG18].

Studying [HBRU13, LHTT11, MWLS18]. Sub [AM19]. Sub-Optimal [AM19].

Subcellular [hLMBJ11, MKG08, OM07, QWC16, SLX18, TR07, WL13b, XPXY11, YL12, ZHE19]. Subchloroplast [WMK17]. subclones [XLWL15].

Structure-Based [CCA12, DBZ12, MKH11, ZCG18].

Structure-Guided [MPS18].

Structure-Redesigned-Based [NLW18].

Structure-Sequence [SLH^06a].

Structures [AJD12, BDD10, HXXJ18, Jia10, MCDD12, Mne09, Ozy12, Shi10, VMD10, WLYZ10, WSS04, YHCS19, ABH14, NYOL15, ZMC14]. Studies [EFLA08, IYA12, KAL17, LEAK11, LRM08, LLZC12, RGI13, SYKS15, SJZ19, VTGC16, WYY13].

Structures [AJD12, BDD10, HXXJ18, Jia10, MCDD12, Mne09, Ozy12, Shi10, VMD10, WLYZ10, WSS04, YHCS19, ABH14, NYOL15, ZMC14]. Studies [EFLA08, IYA12, KAL17, LEAK11, LRM08, LLZC12, RGI13, SYKS15, SJZ19, VTGC16, WYY13].

Subdivided [Wu10]. Subgraph [BG17, CLC^17, SKD19, ZLY^12].

Subgraphs [MSP19, SSF18]. Submodels [JS12].

Submodular [BBN19]. Subsequence [BVD10]. Subset [MT11, RGN^09]. subsets [SQZA14]. Subspace [LCW^18, SY09, XHQ^18, AJYT15].

Subgraphs [MSP19, SSF18]. Submodels [JS12].

Submodular [BBN19]. Subsequence [BVD10]. Subset [MT11, RGN^09]. subsets [SQZA14]. Subspace [LCW^18, SY09, XHQ^18, AJYT15].

Subdivided [Wu10]. Subgraph [BG17, CLC^17, SKD19, ZLY^12].

Subgraphs [MSP19, SSF18]. Submodels [JS12].

Submodular [BBN19]. Subsequence [BVD10]. Subset [MT11, RGN^09]. subsets [SQZA14]. Subspace [LCW^18, SY09, XHQ^18, AJYT15].

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Subgraphs [MSP19, SSF18]. Submodels [JS12].

Submodular [BBN19]. Subsequence [BVD10]. Subset [MT11, RGN^09]. subsets [SQZA14]. Subspace [LCW^18, SY09, XHQ^18, AJYT15].
Substitution [AH11, DFM+11].
Substitutions [SGC07]. Substrate [LLX+16]. Substring [CW11].
Substructural [CLC+17]. Substructure [TBR511]. Subtilis [NPBD16, SSDN12].
Subtree [BN06, WM19b]. Subtrees [SCPS12]. Subtype [GXSZ17, WZJH12].
Subunit [KAL+17]. Sufficient [Son06].
Suffix [SLGK17, LHS16]. Suitable [RAA10]. suite [CM15].
Sucient [Son06]. Sux [SLGK17, LHS16]. Suitable [RAA10]. suite [CM15].
Sum [CD08, JZS+18, LL11]. Sum-Squared [CD08]. Summarizing [MSH+11].
Summary [DLRW18]. Super [DDS+17, GB1D7, HDKS04, YNN+18].
Super-Networks [HDKS04].
Super-Thresholding [DDS+17].
superbubbles [SSS+15]. Superfamily [AV12]. Superiority [Zha07].
Supermatrix [WBE13]. SuperMIC [WDL+17].
SuperQ [GSB+13]. Supertree [DLRW18, GB10, WBE13, Wil09, BM15, LCEMO18].
Supertrees [CBFB12, CEFSB06]. Supervised [AMHH16, BCLC15, DDS+17, HF12, JM12, Kar12a, SFMS18, YCY+14].
Support [LLX+11, LLX+16, LLT10, MNR09, MSKC19, QL09, RIA+16, SZZL+11, TNQ08, WLL13, WZ13a]. Supported [DM09].
Supporting [RSB18]. Suppressed [YNBM05]. Suppression [NVSH18].
Surface [GAGM11]. Surface-Based [GAGM11].
Surfaces [DM09, ZXB11]. Survey [ECK16, IYA12, AKD17, LhdSCH10, LTM+12, LWG+18, MO04, MSS+13a, RG16, RHAK13, TV11, BM114]. Survival [CKWY12, PGT12]. Susceptibility [YLCC13].
SVM [DLT10, JXN+16, MKG08, SBM15, TZH07].
SVM-Based [DLT10, JXN+16].
SVM-RFE [TZH07]. SVMs [HLZ+17, ZYW17]. Swarm [ALWG18, CYTY13, GSX+18, HGM18, KPD12, NPD+17, NHTD17, TS17, TS18, TDY+18, WZZ+18, XWF07, XAW07, ZwGC17, SPWF14]. Swarm-Based [TS18].
Swine [BPJ12]. Swine-Origin [BPJ12].
Switch [KG12, WLY15]. Switch-Like [KG12].
Switching [ZWL+12]. Symbiont [USMS19]. Symbiosis [NHTD17].
Syndrome [XHY+18].
Syndrome-Coronavirus [XHY+18]. Synonymous [SGC07]. SynPAM [SGC07].
System [AAG+18, CLM10, CHZ+16, FJJ18, LWZ12, LGZ+17, LBL+10, MIC+07, MWD11, RSCX18, SYM+10, SJS19, TNQ08, WMWA12, WLCX18, XTL12c, CWLZ14, GRDV14, MZL15, TYA15, TAL+15].
Systematic [BDS12, HPH+15, MBP+19, MM14a, ZZ13]. Systematically [WLHY19]. Systems [BLP18, BMZM15, CSW11, CN12, DGV+17, FS12, FS13a, FKL07, GDW+15, GJH19, JGBR15, JFN11, LLH+07, MZ17, MS11, Maz12, MVS+13, MPhH09, MDM13, PFJ+19, PB12b, SH11a, SddO+12, SJZ19, SNM08, SGH12, TC13, Wig15, WH11, Zha16, GPSF15, Gu16, JZCZ15, KSA16, KG15, SYV14, WLY15, ZSY+14].
Target
[CGW16, CWG18, EZW17, GZR18, IGM07, LC19, SFMS18, SSP17, VKS17, DB14, FHRG14].

Targeted
[DMD13, WLCX18].

Targeting
[PG12].

Targets
[SPMB13, TDY18].

Task
[CLM10, FB19, LS10, ZYW17, CR14].

Task-load
[ZYW17].

taxa
[BM15].

Taxonomic
[CHL12, LW13a].

Taxonomy
[QTZ15].

TCBB
[Ano09b, Ano10b, Ano13d, Ano13b, Ano13c, Gus09b, KL11b, SA15].

TCGA
[GZR18],

TCLUST
[DWSB11],

TD
[SPA17].

Teaching
[Che16, GAVRIL15].

Teaching-Learning-Based
[Che16].

Team
[WL11, WKLL12, WLY14].

Teams
[WL11].

Technique
[HEK18, WXS19, ZLZ19].

Techniques
[CMSE15, GAR09, HSS18, H07, LTM12, RHAK13, ZL19].

telomerase
[KB14].

Temporal
[ATA17, KCC15, MCHT17, RMLD13, SDA16, TRKRC13, ZYF18, KD16].

Tensor
[MGKG17, ZGDH16].

Tensor-Based
[MGKG17].

Term
[LL19, LHH19, TR07, YKWB18].

Term-Based
[LH19].

Terms
[Ano12b, BM17, CLH15, XL19, SLS14].

Tertiary
[BM12, MCDD12].

Test
[EFLA08, YBGB10, ZS19].

Testing
[FLAM15].

Tests
[MTH17, BMM14].

Tetrameric
[CMM12].

Text
[BMHS13, DLT10, HLV10, JHL16, KAHH10, LS10, LNC05, SYM10].

Texts
[HVD18].

tgMC
[LHG16].

thaliana
[MVW13, TRKRC13, WLL19].

Their
[DAF10, LCTSOS, LLZC12, MHKR12, RYK19, VASG10, WII11, FFLS07].

Theme
[Gus09b].

Theoretic
[BR18, BLR08, GBS11, GLW12, VRK12, ZSD08, CA14].

Theoretical
[BCL13b, CHK17, MWD11].

Theory
[BDP11, BD19, LQV13, SDB07, BF14, MZL15].

Therapeutic
[RV13].

therapeutics
[JR14].

Therapies
[BR18, MPF12, NTC07].

Therapy
[WLCX18, KB14].

There
[DFM11].

Thermodynamic
[DPW12, TSM14, ZL15].

Thinning
[ZWS18].

Third
[MVVR19].

Thomas
[KSB12].

Three
[CHC05, DZA06, PLCW17, TZY11, WR109, WVL17, ZD17, BF14, ZZ15, ZMC14].

Three-Color
[TZY11].

Three-Dimensional
[CHC05, DZA06, WRH09, WVL17, ZD17, BF14, ZMC14].

Threshold
[BMH16].

Thresholded
[HAH13].

Thresholding
[DDS17].

Thresholds
[PAAG07].

Throughput
[HF07, How13, Kru13, LW18, LJJ15, MDM13, YP13, ZZH18a, GGC14, XZY14].

Tight
[BS08].

Tikhonov
[Mir14].

Tiling
[BCL13b, HKS11, SK08].

Time
[AKV16, BBH18, BEW09, BMK11, DST15a, EAS12, EAS13, FZWS17, Gra04, HAH13, HG16, IVA11, JSS18, JZS18, JNST09, KCC15, KSB12, KMG05, LCZN16, LLL15, LCC11, MTSCO10, OMA14, PTH18, PH10b, PRU11, PL11, RMS15, SH11a, SCS05, SC11, SHUP19, TWP17, Vis18, WLL09, WGP11, YC08, ZZW18, CZWT15, GM14, SSS15, WLY14, ZWC15].

Time-Course
[EAS12].

Time-Courses
[SCS05].

Time-Delay
[JSS18].

Time-Delayed
[JZS18, LCZN16, LLL15].

Time-Dependent
[AKV16].

time-lagged
[GM14].

Time-Lapse
[DST15a].

Time-Series
[EAS13, LLL15, PH10b, RMS15, SC11, ZZW18].

Time-Varying
[FZWS17, YC08, CZWT15, ZWC15].

Times
[EW04].

Tissue
[BMT17, JGBR15, YLX04, ZHE19].

Tissue-Specific
[MMH15].

ToBio
[ZKW19].

toggle
[WLY15].

Tool
[BMS15, CYJ11, IL18, JK11, LTa13, LMPT15, LHDS18, MBKK18, VSKJ11, VBB18, ZLW11, MCH15, SSM15].

Toolbox
[PSY18].

Tools
[LKW19, MZ17].

Top
Trypsinized [dAc17], Tuberculosis [SKS+19], Tumor [BCVS19, HKM+18, KHP12, LHHL19, LCW+18, SJS19, SSS13b, WZJH12, WLZ+19, YCY+13, ZZN+11a, LXZ+15, XLWL15, YCY+14].

Tumor-Associated [LHHL19], Tumor-Immune [SJS19], Tumorgenesis [KCZ+15], Tumors [DGY05], tunnels [PSK+16], Twin [HCLS11]. Two [APRS11, BS07, HLL+18a, HHYH07, LTaS13, LLC+13, MPY18, PBhL+11, PK13, SC11, SY09, TZH07, Wan12, XWC15, ZCR+17].

Two-Dimensional [LTaS13], Two-Locus [LLC+13, XWC15], Two-Phase [ZCR+17], Two-Stage [HLL+18a, HHYH07, TZH07]. Two-State [MPY18], Two-Step [PBhL+11], Two-Tree [APRS11]. Two-Way [SY09], txCoords [YLXS17].

Type [CLZ+18, UKV18, ZZ13], Types [WMK16], Typing [AKNB07, BBSP08].

uAnalyze [DPW12], Ubiquitination [NHH+17], UDoNC [PWC+15], Ultra [ZKL18], Ultra-High [ZKL18], Unbalanced [PLCW17], Uncertain [BMZM15, MDD18, ZWL+14b].

Uncertainties [SJS19], Uncertainty [Dal16, RCBB9, RdICGW09, UWLH15, DI15, DYD15]. Uncertainty-Aware [UWHL15], Unconstrained [GPE17].

Uncorrelated [YLXJ04], Uncovering [LLX+11, PSIM17, PAS+11].

Underestimation [HZZY16], Understanding [NZR11], Undirected [SM08, TRBK09]. Unfold [Qu14].

 unicyclic [S06b], Unidentifiable [EW04].

Unified [CLST+13, GET13, SYM+10, SW09, WCXL18]. Uniform [RLV04]. unify [LLC+15]. Uninhabited [ZD17], Uniquely [Wil11], United [LLNW17]. Units [Dem12, IMA13, CFIS+15]. Unknown [LBH+18]. Unlabeled [CWZ+18].

Unparametrized [KSB12], unravel [HM15]. Unravelling [dNG17]. Unrelated [BZ08]. Unrooted [ADR18, BG12, CBFB12, GET13, WM19b].

Unscented [MNND13], Unsigned [CWZL08], Unsupervised [AMHH16, AV12, JLH16, LW17, HKL17, Mam05, NO09, SFMS18, Vog15, ZWSX12, LZZGZ14]. Untangling [VAGS10], update [ZWL14a]. Updates [HT09]. upstream [MBS15]. Usage [LSMF08, MNR09]. Use [ALWG18]. Used [Pol11].

Using [AKNB07, AH11, AV17, AOSN+18, ALR+13, AGGM11, AFJ12, AFAAW+11, AV12, ASI+11, AD12, ADPH13, BBN18, BGS+12, BHMA06, BFM13, BMHS13, BS10v, BS10a, BHHMCL16, BM12, BWRF12, BBH12, CP13, CC11, CLC+17, CWLS15, CLH+15, CD08, CKWY12, CWZ08, CYTY13, CSS11, CAN+08, DGH+06, DSMH08, DMJ+18, DM09, DKD10, DABV17, DBK18, EMD11, FSX19, FJJ11, FWY19, FSB+11, GZG17, GPK08, GPMH16, GLW12, GED+17, HEK18, HOS+12a, HOS+12b, HZZY16, HZTP12, HYY11, HS08, HVC12, HKT+18, HCLS11, HLP+13, HSLR18, HDS+18, HC07, HMK+07, HF12, HGM18, INT11, IQA18, IBN19, KSMT19, Kar12a, KNT18, KCP18, KK19, KAKH+10, KVVX12, LCEMO18, LFK16, LLX+11, LLH+17, LYL+17, LW19a, cLWA07, LHZ18, LWZ12, LHKL17, LHQ+18, LLL15, LT07, MNR09, MGXS15, MTSCO10, MTNH17, MK16, MBP+18, MCC008, MIC+07, MSK19, MFT+18].

Using [MWSM12, MGS17, MDM13, NAA19, OC13, PHT12, PI10, PR18, PLCW17, PGF18, PN17, QBPEL12, RM13, RTA+16, RdICGW09, RP13, RKZ16, RBDJ11, RA16, SKD19, SP11, SLGK17, SMRP15, SB12, SWB15, SYZ+13, SRL18, ST05, SDCW11, SSD+16, SSP+17, SKD+07, SR06, SZLL11, SGH12, TIA+11, TGGF10, TZY11, TED+12, TW10, TWW16, UAH16, Vis18, WS12, WCX07, WZJ12, WFF+19, WWBZ19, WRR+09, WXS+19, WB11,
Weightedly [HLZ17]. Weighting
[AWW18, YHB12, LZGZ14]. Weights
[HRdR09]. Welcome
[Gus07a, Gus07b, Will04b]. Wheeler
[KK19, KVX12, LHS16, NTR16, TED12].
Which [AOSS16, SSS11]. Whole
[HKS11, LN17, NLHL17, PH10a, SS13b,
TGLP16, ZZS18]. Whole-Genome
[HKS11, TGLP16]. Whole-Sample
[PH10a]. Wide
[BGS12, DGV17, FLW12, GZC17, LW18,
LW19a, MK16, NPK07, PIPC18, SKS19,
TIA11, Val11, VTGC16, WYY13,
ZZCY10, ZAZ11, TYL16, WHZ14].
Wild [PCGS05]. Window
[MK16, dSRCT11, SSS13a]. Wing
[GGH13]. Wise [GCB18, ZGDH16].
within [PWT10]. Without
[JZS18, BBSP08, MYCW12, ZWS18].
Word [HVD18, HLL18a, JLH16, LLQ16].
Workflow
[AAF13, HVD18, LBL10, MZ17, BF14].
Workflow-Enabling [LBL10]. Workshop
[AJM18, ANT19, HCQ14, Kim18].
Workshop/International [Kim18].
Wrapper [LH10]. Wrong [LNR09].
X [Str11, YMW12]. X-Ray [Str11]. X4
[LSMF08]. XDR [SKS19]. Xeon [MPA15].
XlnR [OMAdG12]. Xor [BVD10].

References

Aydin:2011:BMA
Zafer Aydin, Yucel Altunbasak, and Hakan Erdogan.

Abate:2013:GLB

Alazmi:2018:SBD
REFERENCES

ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


Au:2007:CAC


Ashlock:2012:DER


Axenopoulos:2011:SDF


Axenopoulos:2013:SDP


Allman:2018:STI

[AdTAQ16] Rami Al-Dalky, Kamal Taha, Dirar Al Homouz,

**Andonie:2011:FAP**


**Amin:2012:TSG**


**Ali:2018:SDS**


**Ambroise:2011:IRP**


**Arribas-Gil:2009:SAS**

Agrawal:2011:PSS


Anders:2018:IPR


Ali:2016:SAC


Ayday:2018:GIW


**[AKS13]** M. K. Ahirohal, A. Kumar,


Ashtawy:2012:CAR

Ashtawy:2015:CAP

Ahmed:2014:SSC

Agapito:2016:ECO
References

Anonymous:2004:AI


Anonymous:2004:INA


Anonymous:2005:AI


Anonymous:2005:CPS


Anonymous:2006:RL


Anonymous:2006:AI


Anonymous:2008:AI

Anonymous:2008:RL


Anonymous:2008:CAE


Anonymous:2008:RL


Anonymous:2009:CAE


Anonymous:2009:CPS


Anonymous:2010:RL


Anonymous:2010:TAI


Anonymous:2010:EN

Anonymous:2012:CPS


Anonymous:2012:IAT


Anonymous:2013:RL


Anonymous:2013:CPSb


Anonymous:2013:IOA


Anonymous:2013:CPSc


Anonymous:2013:CPSa

Aharoni:2011:QPD


Alekseyev:2007:CBG


Avcu:2018:ACM

Neslihan Avcu, Nihal Pekergin, Ferhan Pekergin, and Cuneyt Guzelis. Aggregation for computing multi-modal stationary distributions in 1-D gene regulatory net-


**Allali:2005:NDH**


**Aluru:2015:GEI**


**Armananzas:2011:PSM**


**Aeling:2007:DDE**


**Alden:2017:EAS**

REFERENCES

Angadi:2012:SSS

Akkasi:2017:IBN

Abate:2012:MMS

An:2018:LNN

Bisas:2018:BOR

Bilu:2006:FAO
REFERENCES


Bafna:2004:NRE


Bandyopadhyay:2011:BIM


Berard:2007:PSR


ISSN 1545-5963 (print), 1557-9964 (electronic).

Bustamam:2012:FPM


Buch:2018:SLS


Blazewicz:2007:SPD

Jacek Blazewicz, Edmund Burke, Marta Kasprzak, Alexandr Kovalev, and Mikhail Kovalyov. Simplified partial digest problem: Enumerative and dynamic programming algo-

[Barnat:2012:PSP]


[Bahadorinejad:2018:OFD]


[Bai:2019:SGM]


[Barzuza:2008:CPP]


[Backenkohler:2018:MBP]


[Blin:2007:CGD]

Guillaume Blin, Cedric Chauve, Guillaume Fertin, Romeo Rizzi, and Stephane Vialette. Comparing genomes


REFERENCES

1545-5963 (print), 1557-9964 (electronic).


REFERENCES

2014. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


REFERENCES


[Bannai:2004:ADO] Hideo Bannai, Heikki Hyryo, Ayumi Shinohara, Masayuki Takeda, Kenta Nakai, and


**Bocker:2011:DGS**


**Bicego:2012:ITM**


**Bartocci:2018:GEI**


**Boscolo:2008:ITE**


**Basu:2015:EIF**

REFERENCES

1545-5963 (print), 1557-9964 (electronic).


REFERENCES

[Bandyopadhyay:2017:NFV]

[Bahlouli:2016:FBP]

[Barker:2011:LGR]

[Bleik:2013:TCB]

[Berm:2006:GRB]

[Bernt:2008:SPR]
REFERENCES


REFERENCES

Bontempi:2007:BSI


Bokhari:2012:RNE


Bach:2013:SND


Borodovsky:2011:GEI


Battagliero:2011:EAA


Basu:2017:GEI

REFERENCES


[Barragan:2017:COA]

[Bro05]

[Behinaein:2018:PNS]

[Biswas:2017:ECM]

[BS07]

[BS08]

[BS18]
REFERENCES


Bryan:2009:CDT


Bogdanov:2010:MFP


Bonet:2010:CUD


Bansal:2011:NFP


Braga:2015:SLG


Boscoco:2005:GFN

navacca, and Eric Tan-
nier. Exploring the solu-
tion space of sorting by re-
versals, with experiments and an application to evo-
lution. *IEEE/ACM Trans-
actions on Computational Biology and Bioinfor-


88

REFERENCES

1545-5963 (print), 1557-9964 (electronic).


REFERENCES


REFERENCES

ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


[CBES11] Juan Cortes, Sophie Barbe, Monique Erard, and Thierry


Xin Chen and Yun Cui. An approximation algorithm for the minimum breakpoint linearization prob-

**Chen:2011:FAP**


**Cavuslar:2012:TSA**


**Choudhury:2019:HAE**


**Caceres:2013:WSN**


**Chan:2012:CVM**


**Cho:2008:CHC**

References


Chang:2016:RGR


Chowriappa:2009:PSC


Chen:2006:MFS


Cai:2014:GEI


Cickovski:2015:GPI

Trevor Cickovski, Tiffany Flor, Galen Irving-Sachs, Philip Novikov, James Parda, and Giri Narasimhan. GPUTDe-PICt: a parallel implementation of a clustering algorithm for comput-
References

Carvalho:2006:EAI

Cheng:2016:MDL

Chen:2015:DIN


REFERENCES

Czeizler:2017:GT


Chen:2012:EFT


Cheng:2018:NPI


Chiu:2018:ADR


Chen:2016:SBD


Ceri:2017:DMH

REFERENCES

Choi:2012:HAS

Chin:2008:DMR

Chuang:2014:NSG

Chen:2015:SGC

Chen:2017:ECR

Catanzaro:2013:IPF
REFERENCES


[CLR09c] Gabriel Cardona, Merce Llabrés, Francesc Rosselló, and Gabriel Valiente. On Nakhleh’s metric for reduced phylogenetic net-


Christinat:2013:TPE


Chicco:2015:SSG


Chicco:2016:OBP


Czeizler:2012:QAS


Cheng:2016:EIS


Campello:2012:SMA

REFERENCES

Chacon:2015:BFI

Chen:2012:GEB

Chalkidis:2011:HPH
Georgios Chalkidis, Masao Nagasaki, and Satoru Miyano. High performance hybrid functional Petri net simulations of biological pathway models on CUDA.

Chicco:2018:NIE

Caglar:2013:SMS

Ciocchetta:2008:ATS
REFERENCES


REFERENCES

Chen:2009:SCP


Chen:2009:IAA


Chen:2011:FAE


Chen:2012:ARN


Cameron:2004:IGA


Carroll:2015:IRE

Czeizler:2018:STC


Chen:2014:ANG


Chen:2012:DOR


Cheng:2015:CMD


Chen:2008:AA

REFERENCES

Cai:2015:IPC


Cho:2015:PFR


Chen:2013:RTR


Chai:2019:HWT


Chuang:2013:OPU


Chen:2012:GEI

[Jianer Chen and Alexander Zelikovsky. Guest Editors’ introduction to the special section on bioinformatics research and applica-


Zhanzhan Cheng, Shuigeng Zhou, Yang Wang, Hui Liu, Jihong Guan, and Yi-Ping Phoebe Chen. Effectively identifying compound-protein interactions by learn-
ing from positive and unla-

**Chan:2015:MPP**  

**Cheng:2019:BGA**  

**Dureau:2017:MIA**  

**dAcierno:2017:IID**  

**Diaz:2010:ADL**  


DeBlasio:2012:MEM


Deng:2015:IFF


daCosta:2011:WPC


Deng:2017:ISK


Dotu:2011:LPS


daSilvaArruda:2018:GBH

REFERENCES

**Dinc:2017:STS**


**Dematte:2012:SGP**


**DiLena:2011:TOS**


**DiCamillo:2012:SSB**


**Deng:2019:IKG**


**Dawy:2006:GMM**

Daniels:2015:MRH


Dias:2017:GWS


Demir:2005:LTP


Dress:2004:CSG


Doyon:2012:EME


Deng:2018:IIG


Nan Du, Marc R. Knecht, Mark T. Swihart, Zhenghua

DeFrancesco:2012:EGE


Davidson:2018:EQR


Dai:2010:MGN


Diago:2009:EGC


Das:2013:ORS

Deznabi:2018:IAG  

doNascimento:2017:CNV  

Dasarathy:2015:DRP  

Ding:2017:NMM  

Dehzangi:2014:SBM  
[DPS+13] Abdollah Dehzangi, Kuldip Paliwal, James Lyons, Alok Sharma, and Abdul Sattar. A combination of feature extraction methods with an ensemble of different classifiers for protein struc-


Dewu Ding and Xiao Sun. A comparative study of network motifs in the integrated transcriptional regulation and protein interac-
REFERENCES

Dawy:2008:FSG


deSouto:2013:GES


daSilva:2017:GDH


Ro drigues:2011:PCE


Diekmann:2007:EUR


Dellen:2015:GSR

Babette Dellen, Hanno Scharr, and Carme Torras. Growth signatures of rosette plants from time-lapse video. *IEEE/ACM Transactions on Computational Biology*

**Dong:2015:ANA**


**Duarte-Sanchez:2018:HAM**


**Dost:2011:TFM**


**Ding:2015:SHO**


**Dubrova:2011:SBA**


Dehghannasiri:2015:OED


Dong:2011:NNK


Deng:2016:PHG

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ED14]</td>
<td>Incorporation of biological pathway knowledge in the construction</td>
<td>Mohammad Shahrokh Esfahani and Edward R. Dougherty. Incorporation of biological pathway knowledge in the construction of priors for optimal Bayesian classification.</td>
</tr>
</tbody>
</table>
REFERENCES

CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

**Elias:2006:AAS**

**El-Manzalawy:2011:PMI**

**Elmsallati:2018:IBN**

**Eisenhaber:2014:GEI**

**Evans:2004:UDT**

**Ezzat:2017:DTI**

**Frasca:2019:MPF**
Marco Frasca and Nicolo Cesa Bianchi. Multitask

[Fabris:2016:EEC]

[Fober:2011:SAL]

[Fellows:2011:HIC]

[Feng:2011:MFB]
REFERENCES


[Feret:2019:E]


**Fan:2014:QSM**


**Feijao:2011:SBL**


**Felicioli:2012:BEA**


**Feijao:2013:EAF**


**Fotoohiroozabadi:2018:PFN**


**Fages:2018:INC**

[FMRS18] François Fages, Thierry Martinez, David A. Rosenblueth, and Sylvain Soliman. Influence networks compared

**Fa:2014:NRG**


**Ferraro:2011:ACQ**


**Fages:2012:GEI**


**Fages:2013:GEI**


**Florea:2013:GGT**


**Frith:2018:SDC**

REFERENCES


[Fang:2019:PPB] Chao Fang, Yi Shang, and Dong Xu. Prediction of

### Fernandez:2015:FFB


### Freitas:2010:ICC


### Fan:2015:AMD


### Feng:2019:PAP


### Feng:2012:LSL


[GÁVRL15] David L. González-Álvarez, Miguel A. Vega-Rodríguez, and Álvaro Rubio-Largo. Finding patterns in protein sequences by using a hybrid multiobjective teach-

**Guillemot:2010:FPT**


**Guziolowski:2011:DLR**


**Galvao:2017:SCP**


**Gupta:2008:EDS**


**Ghoraie:2014:RSS**


**Gong:2011:ITM**

Liuling Gong, Nidhal Bouaynaya, and Dan Schonfeld. Information-theoretic model of evolution over protein communication chan-
REFERENCES

130

Guan:2014:BDC

Guan:2016:EBH

Gossmann:2018:SRM

Gao:2014:HTZ

Guo:2018:RDM

Cao:2010:IAM
Yong gang Cao, Zuofeng Li, Feifan Liu, Shashank

Gao:2018:MMA


Grassi:2012:KSP


Gonzalez-Dominguez:2015:PED


Gorecki:2014:MDC


Gonzalez-Dominguez:2018:MPC


Gorecki:2015:GTD

Pawel Górecki and Oliver Eulenstein. Gene tree diameter for deep coalescence.
Gorecki:2018:BDG

Goo:2017:PND

Gordon:2013:HWP
REFERENCES

ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


REFERENCES

Guillemot:2011:CSM


Guo:2014:RFE


Gu:2017:RGS


Gondro:2008:OCM


Ghosh:2019:FFS


Gasbarra:2011:EHF

REFERENCES

Gupta:2010:AHD

Gao:2018:NCD

Ganesan:2016:PSC

Gonzalez:2012:PLB

Grunewald:2009:MPT

Goncalves:2014:LEH
Joana P. Gonçalves and


REFERENCES

**Gossler:2011:CBM**


**Goutsias:2006:HMM**


**Gorecki:2017:UDD**


**Gong:2016:GBN**


**Gomez-Pulido:2015:ABA**


**Gramm:2004:PTA**


**GaneshKumar:2014:HAB**

[GRDV14] Pugalendhi GaneshKumar, Chellasamy Rani, Durairaj Devaraj, and T. Arul Louis Albert Vichit-Puwar. Hybrid ant bee algorithm for fuzzy expert system based sample classi-
REFERENCES

Goeffon:2008:PTN

Garcia:2013:GDA

Gruenewald:2013:SCS

Grewal:2017:EAO

Grusea:2011:DNC

Gao:2018:ISE
[GSC+18] Shangce Gao, Shuangbao


REFERENCES

2016. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


Gusfield:2008:EE


Gusfield:2009:FFY


Gusfield:2009:OEE


Ge:2017:CSD


Guo:2017:SGW


Gao:2015:CCE

REFERENCES


REFERENCES

ISSN 1545-5963 (print), 1557-9964 (electronic).

**Hashemikhabir:2012:LSS**

**Han:2010:NPC**

**Hawkins:2005:ARN**

**Hudek:2011:FSL**

**Hickey:2011:AAN**

**Huang:2016:GES**


Fiete Haack, Kevin Bur-rage, Ronald Redmer, and Adelinde M. Uhrmacher. Studying the role of lipid rafts on protein receptor bindings with cellular automata. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*,
REFERENCES


Hu:2017:ECF


He:2018:EGC


He:2019:MBP


Han:2010:MPC


Hoque:2011:TR


Hartmann:2018:CTD


Huang:2014:SAI


Huson:2004:PSN


Hu:2018:FSO


Hashem:2018:CML


Hayamizu:2017:CMS


Hamad:2018:DWU

REFERENCES


Hecht:2007:HTL


Huang:2012:GCU


Hu:2016:RTN


Huang:2018:GNA


Haque:2013:GQB


Ho:2007:ITS

REFERENCES


Christoph Hafemeister, Roland Krause, and Alexander Schliep. Selecting oligonucleotide probes for whole-genome tiling arrays with a cross-hybridization potential. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 8(6):1642–1652, November 2011. CODEN ITCBCY.
REFERENCES

ISSN 1545-5963 (print), 1557-9964 (electronic).

Hirose:2018:SCT


Han:2016:GI


Hu:2017:GRS


Huang:2010:HRR


Huang:2011:IHA


He:2018:TSB

Xinyu He, Lishuang Li, Yang Liu, Xiaoming Yu, and Jun Meng. A two-stage biomedical event trigger detection method integrating feature...

**Hu:2018:CBG**


**Harmer:2019:BCC**


**Halasz:2013:ASS**


**Hakenberg:2010:EEP**

Jörg Hakenberg, Robert Leaman, Nguyen Ha Vo, Sid-

**Huang:2015:EMS**


**Hsiao:2016:PGI**


**Hu:2017:PPD**


**Henzinger:2013:PAC**


**Henriques:2015:BFP**

REFERENCES

752, July 2015. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


REFERENCES

Hendy:2008:HCK


Heath:2009:MNS


Heath:2009:SMN


Hoksza:2015:MRS


Huber:2011:MMT


Handl:2018:AAD


Hershkovitz:2006:SAR

Eli Hershkovitz, Guillermo Sapiro, Allen Tannenbaum, and Loren Dean Williams.

**Hong:2009:HRD**


**Huang:2012:PEL**


**Hocchmann:2004:PMR**


**Huber:2011:PAR**

Hu:2007:DMP


Humphries:2013:NT


Hsiao:2014:GND


He:2017:IIP


Hartmann:2018:GRI


Hashemikhabir:2018:FIG

Seyedsasan Hashemikhabir, Ran Xia, Yang Xiang, and Sarath Chandra Janga. A framework for identifying genotypic information from clinical records: Exploiting integrated ontology structures to transfer annotations between ICD codes and gene ontologies. *IEEE/ACM Transactions on Computational Biology and
REFERENCES


Hennings-Yeomans:2012:IPC


Hsieh:2008:OAI


Han:2017:GSM


He:2011:PSC


Hua:2016:GSM


Hao:2019:ASS

[HZL19] FanChang Hao, Melvin Zhang, and Hon Wai Leong. A 2-approximation scheme for sorting signed per-
mutations by reversals, transpositions, transreversals, and block-interchanges. 

Haack:2019:CDS


Hawkins:2012:RFP


He:2017:PNA


Hu:2014:PRA


Hao:2016:NMU

Azuma:2016:PAC


Imani:2019:CGR


Irurozki:2011:PPH


Ivanov:2013:QPP


Staff:2005:RL


Staff:2007:RL

<table>
<thead>
<tr>
<th>REFERENCES</th>
</tr>
</thead>
</table>
Ikram:2018:ICB


Ismail:2018:RNR


Irigoien:2011:MTC


Irsoy:2012:DA


Jamil:2013:DIC


Jamil:2015:IIE


Jamil:2017:VIQ

[Jam17] Hasan M. Jamil. A visual interface for query-

**Jamil:2018:OPQ**


**Jhee:2019:CSC**


**Jeong:2008:ISP**


**Jeong:2015:NSF**


**Jaskowiak:2013:PMC**


**Jacklin:2012:NCO**

John:2011:CCP


Jahanshad:2019:MSM


Jeannin-Girardon:2015:LST


Jiang:2019:SSL


Jiang:2017:MDR

Xingpeng Jiang, Xiaohua

Jiang:2015:PMI


Ju:2019:EDA


Jiang:2010:AAP


Jang:2012:CMP


Joseph:2012:CPT

REFERENCES

Jackups:2010:CAS


Jiang:2016:UGB


Ji:2017:CIF


Jeong:2011:PSS


Ji:2016:DFM


Jiang:2012:PPF


[JRSCA08] Benjamin N. Jackson, Patrick Schnable, and Srinivas Aluru.

**Jiao:2018:FDA**


**Jetten:2018:NTB**


**Jian:2016:MKF**


**Janga:2015:KDU**


**Ji:2013:PLS**


**Jiao:2018:RGC**

Hongmei Jiao, Liping Zhang, Qikun Shen, Junwu Zhu, and Peng Shi. Robust gene circuit control design for time-delayed genetic regulatory

**Jiang:2012:SFU**


**Ju:2017:EAC**


**Kolchinsky:2010:CPP**


**Keller:2017:ISL**


**Kountouris:2012:CSF**

Karacali:2012:HMV


[KB12a]

Karafyllidis:2012:QGC


[KB12b]

Kordi:2012:CDT


[KB17]

Kifer:2017:OAD


[KBBD+17]

Karbalayghareh:2019:CSC


[KBND19]
Karbalyaghareh:2018:CST


Kuruppu:2012:IDC


Kim:2011:PMS


Kim:2015:IGN


Kamath:2012:EAA


Kim:2018:GNA


Kang:2015:ISO


Koneru:2015:DCA


Knox:2016:MFG


Krotzky:2014:EGB


Kim:2012:SGE


Konur:2015:PDM

Konur, Savas Konur and Marian Gheorghe. A property-driven methodology for formal analysis of synthetic biology systems. IEEE/ACM Transactions on Computational
REFERENCES


Kong:2014:BSD

KGF+14

Kasarapu:2014:RPF

KGK14

Kobayashi:2014:ISB

KH14

Kazmi:2012:HCA

KH14

Kim:2018:ESP

KJ04

Kim:2004:GEW
Junhyong Kim and Inge Jonassen. Guest editorial: WABI special section part 1. IEEE/ACM Transactions on Computational Bi-
REFERENCES


[KNR05] Gregory Kucherov, Laurent Noe, and Mikhail Royt-

**Kaski:2005:ACE**


**Khan:2018:RPR**


**Keijsper:2015:TCB**


**Kentzoglanakis:2012:SIF**


**Kalathiy:2014:MME**

Kang:2017:MBB


Kaloudas:2019:EEB


Kaddi:2013:MHS


Kahveci:2013:GEA


Kirkpatrick:2014:PPP


Khalid:2018:PHD


Kocabas:2016:ESM

[KSA16] Ovunc Kocabas, Tolga Soyata, and Mehmet K. Aktas. Emerging secu-
REFERENCES

Klarner:2012:TSD

Kulandaisamy:2018:IAK

Kawano:2012:IGP


Kulekci:2012:EMR


Kim:2007:AAD


Kwon:2019:EER


Kustra:2010:DFC


Kim:2018:CPP


Labarre:2006:NBT


Limpiti:2014:IIN

Tulaya Limpiti, Chainarong Amornbunchornvej, Apichart


Lorenz:2013:MQR


Lonardi:2010:DMB


Li:2019:DTP


Lovato:2017:SNR


Luo:2011:LTA


Lafond:2018:GTC

REFERENCES


REFERENCES


Li:2013:MLI


Li:2016:MMH


Li:2018:GGS


Lasker:2007:EDH
Lahti:2011:PAP


Leinweber:2018:GBP


Land:2016:MCS


Lacroix:2006:MSG


Li:2019:AIC


Lovato:2015:MAP

Luc:2019:HMM

Lu:2010:RNM

Luo:2018:NAI

Liu:2017:SNH
Ling:2016:MTH

Le:2013:CR

Liu:2019:TBP

Liu:2019:IFI
Ying Li, Ye He, Siyu Han, and Yanchun Liang. Identification and functional inference for tumor-associated long non-coding RNA. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 16(4):1288–1301, July 2019. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

Liu:2017:UBM

Le:2019:FPA
Thuc Duy Le, Tao Hoang, Jiuyong Li, Lin Liu, Huawen Liu, and Shu Hu. A fast PC algorithm for high dimensional causal discovery with multi-core PCs. *IEEE/ACM Transactions on Computational Biology and Bioin-

Liu:2019:CPS


Liu:2018:CPT


Li:2011:FSF


Li:2014:RSA


Liu:2016:PSE


LeFaucheur:2011:NCS

Xavier Le Faucheur, Eli Hershkovits, Rina Tannenbaum, and Allen Tannenbaum. Nonparametric clus-

Li:2015:BLC


Luo:2011:ICE


Liao:2014:GSU


Liao:2015:EFR


REFERENCES


Liu:2019:PCP


Lopez-Lopera:2019:SLF


Li:2013:ISS


Liao:2015:HCM


Liang:2015:IDA


Lin:2018:MGD

Congping Lin, Laurent Lemarchand, Reinhardt Euler, and Imogen Sparkes. Modeling the geometry and


Lo:2015:ITD


Liang:2016:NMD


Liu:2016:DDS


Li:2017:UCC


Li:2016:EBE


Li:2015:PIR

Liu:2010:SSV

Luhmann:2019:SSP

Lin:2019:ISP

Liu:2010:MPI

Leung:2011:DMD

Li:2015:TPB
REFERENCES

Li:2011:RUP
Hong-Dong Li, Yi-Zeng Liang, Qing-Song Xu, Dong-Sheng Cao, Bin-Bin Tan, Bai-Chuan Deng, and Chen-Chen Lin. Recipe for uncovering predictive genes using support vector machines based on model population analysis. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 8(6):1633–1641, November 2011. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

Li:2016:PSS

Liao:2012:NMS

Leitner:2010:OBI

Leoncini:2015:CCT
Mauro Leoncini, Manuela Montangero, Marco Pellegrini, and Karina Panucia

Li:2014:OSM


[LMZ14]


Liu:2017:API


Li:2013:NLS


Li:2019:CRP

Min Li, Peng Ni, Xiaopei Chen, Jianxin Wang, Fang-


Lee:2018:SBP


Lozano:2008:STA


Lamiable:2013:AGT


Lancia:2008:HDA

REFERENCES

Linz:2009:HNT

Lan:2010:EIF

Loriot:2011:CSD


Lones:2007:RMD


Li:2017:RRB


Lei:2013:CRC


Lu:2007:ISL


Li:2019:NSA


Lazar:2012:SFT

Lazar:2013:GNA


Luo:2019:DGP


Lieberman:2011:VEA


Langdon:2010:SSD


Labarre:2014:MPL

Liu:2013:NBC


Luo:2013:ARA


Luo:2015:GES


Li:2017:TUG


Li:2018:CSI


Li:2019:EGW


Liu:2019:SPL

REFERENCES


[LWZ12] Li-Zhi Liu, Fang-Xiang Wu, and W. J. Zhang. Inference of biological S-system us-


[LWZ12] Li-Zhi Liu, Fang-Xiang Wu, and W. J. Zhang. Inference of biological S-system us-
REFERENCES

Liu:2016:CIB

Liu:2015:RBT

Li:2016:EDP

Lerner:2007:CSI

Li:2017:PSP


Liu:2016:NMP


Mimaroglu:2012:DDC


Mahata:2010:ECH


Maitra:2009:IPO


Mamitsuka:2005:ELK


Matsen:2007:OCT


Matsen:2009:FTI

Matthews:2015:HCL

Mazza:2012:HPC

Moore:2016:EMF

Murugesan:2017:BMI

Muselli:2011:MMV

Murthy:2013:CAC
REFERENCES

1545-5963 (print), 1557-9964 (electronic).

Mazza:2012:RTP

Matsen:2018:TRT

Martins:2018:CMT

Moon:2019:SIC

Mehmood:2015:PLS

McIntosh:2007:HCR
Tara McIntosh and Sanjay Chawla. High confidence rule mining for microarray analysis. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 4
Masseroli:2016:IQG

Mena-Chalco:2008:IPC

Merelli:2011:IBS

Mirceva:2012:EAR

Mei:2015:ESN

Moskovitch:2017:PCO
Robert Moskovitch, Hyunmi Choi, George Hripcsak, and Nicholas Tatonetti. Prognosis of clinical outcomes with temporal patterns and experiences with one class fea-

**Mkrtchyan:2017:OLS**

**Mohsenizadeh:2018:OOB**

**Mu:2018:OOC**

**Mourad:2013:DPS**

**Mitra:2011:GNS**
Markin:2019:CMT

Markin:2019:ELS

Messaoudi:2014:BSS

Monteiro:2018:UML

Mazza:2015:FIA


Ma:2015:PPR


Huang:2013:EEO


Marschall:2012:PAA


Michal:2007:FCM


Mirzal:2014:NTR


Milenkovic:2018:GLB

Marhon:2016:PPC


Mozaffari-Kermani:2016:ISS


Mernberger:2011:SSG


Matsieva:2017:RSF


Meyer:2018:MMP


Mo:2017:NMB

Min:2018:NRS


Moskon:2014:SAC


Muki-Marttunen:2017:AMB


Maulik:2013:MQB


Meira:2014:AMA

[MMH15] Nan Meng, Raghu Machiraju, and Kun Huang. Identify critical genes in


Mandou:2010:GEI


Ma:2009:GCU


Madeira:2004:BAB


Mossel:2007:DMT


Maji:2013:RFC


Malik:2019:RCS

Laraib Malik and Rob Patro. Rich chromatin structure prediction from Hi-C data.


Tatiana Maximova, Erion Plaku, and Amarda Shehu. Structure-guided protein transition modeling with a probabilistic roadmap algo-
REFERENCES


Ma:2012:RNH


Ma:2018:MLR


Mossel:2009:SEA


Ma:2018:MLR


Mauch:2011:EFE


Maji:2017:SFS

Mykowiecka:2018:IGS


Magni:2011:SPI


Mirzaei:2019:PSP


Mandon:2019:ASR


Ma:2018:ICS


Meng:2013:WA

References

Mollo:2013:PSE

Meysman:2019:MES

Mandoiu:2019:GEI

Mao:2011:RMS

Margaliot:2012:SSD

Margaliot:2012:SAR
Martinez:2015:CAS


Mahjani:2017:FCF


Madeira:2010:IRM


Murali:2018:GE


Milotti:2013:CAB


Martin-Vide:2019:ACB

REFERENCES

Muraro:2013:IGN

Mirzaei:2016:FCN

Ma:2012:EAA

Mukund:2018:CEN

Mooney:2012:GGU

Ma:2017:EBS


Ma:2012:MRD


Mandoiu:2013:GEI


Meng:2015:GSI


Macwan:2016:RSC

Isaac G. Macwan, Zihe Zhao,


Mindaugas Norkus, Damien Fay, Mary J. Murphy, Frank Barry, Gearoid OLaighin, and Liam Kilmartin. On the


REFERENCES

ISSN 1545-5963 (print), 1557-9964 (electronic).


REFERENCES

CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


**Nawab:2017:IBA**


**Nishiyama:2019:RCN**


**Noor:2012:IGR**


**Nguyen:2015:EAO**


**Neri:2007:AMA**

REFERENCES

Nogueira:2016:BBW


Nagara jan:2006:CSC


Nguyen:2018:HTN


Nye:2014:ACP


Ng:2015:FAL


Nguyen:2011:TBU

Ozsoy:2013:DCA

Ochs:2014:OAT

Oh:2011:FKD

Ovaska:2013:GR

Oh:2011:ELA

Ogul:2007:SLP


November 2012. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

**Ponzoni:2007:IAR**


**Palaniappan:2012:HFF**


**Pal:2012:TDR**


**Phipps:2012:OPN**

<table>
<thead>
<tr>
<th>Authors</th>
<th>Year</th>
<th>Title</th>
<th>Journal</th>
</tr>
</thead>
</table>
January 2019. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

Pan:2019:KFP


Papadakis:2012:SSD


Pirinen:2006:FCG


Poirier:2018:DAB


Paszek:2018:EA


Pang:2012:GSU

Pelikan:2010:EPL


Perkins:2010:TBS


Parker:2008:SPT


Paul:2009:PCC


Patra:2018:RAP


Patton:2014:HPI

Piovesan:2013:SFP


Popescu:2006:FMG


Paoletti:2012:INC


Peng:2017:PPF


Peng:2017:HNB


Passerini:2012:PMB


Pizzi:2018:EAS


Panja:2013:CLC


Piraveenan:2012:AMD


Pizzuti:2012:CAM


Pandey:2014:GES


Pease:2018:EDU

Preparata:2004:SHR

Pizzi:2011:FSM

Prabhakaran:2014:HHI

Peng:2011:MSA

Priyadarshana:2015:MBP

Park:2017:NAP

Pang:2015:IAS
Bin Pang, David Schlesman, Xingyan Kuang, Nan


[PSK+15] Bin Pang, David Schlesman, Xingyan Kuang, Nan


Mohammad Nazrul Islam Patoary, Carl Trop-

**Puljiz:2016:DGV**


**Pirola:2012:FPA**


**Peng:2015:UAI**


**Pehkonen:2010:HBS**


**Peng:2015:IPC**

REFERENCES

Quevedo:2012:DLP


Qian:2012:IGR


Qiu:2009:FMK


Qi:2016:PEP

Yi Qi and Jiawei Luo. Prediction of essential proteins based on local interaction density. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 13(6):1170–1182, November 2016. CODEN ITCBCY. ISSN 1545-5963
Qi:2010:SGR


Qi:2017:SCM


Qin:2016:ID

A


Qiu:2015:IMA


Qu:2016:PSL


Roy:2016:DMB


REFERENCES


Rivera-Borroto:2016:RAM

Ram:2011:MBB

Rasheed:2019:SFU

Rizzi:2019:HCA

Raisaro:2018:PPS

Rasmussen:2009:MVU
[RdICGW09] Carl Rasmussen, Bernard

Requeno:2013:TLP


Raposo:2016:CAM


Rogers:2005:LPD


Rajabl:2013:ADS


Roytberg:2009:SSP


Rajapakse:2005:MED

[RH05] Jagath C. Rajapakse and Loi Sy Ho. Markov en-


**Ray:2016:IAC**


**Rajapakse:2013:MGS**


**Ramalho:2018:PEF**


**Rubiolo:2015:MGR**


**Ray:2018:DPM**


**Raphael:2004:UPM**


Rother:2008:SCP


Randhawa:2010:MCM


Ranganarayanan:2016:IGB


Raisaro:2019:MES


Ranjar:2015:BNM


Rueda:2006:HCA

REFERENCES


REFERENCES

Sriwastava:2015:PPP


Song:2011:MSS


Sengupta:2015:CAU


Sun:2012:DFF


Shah:2011:GFA


Song:2015:PBM


Sotiropoulos:2009:MRM

[VSCC09] Vassilios Sotiropoulos, Marrie-Nathalie Contou-Carrere,

**Swenson:2012:KMA**


**Schliep:2005:AGE**


**Sebastian:2006:STA**


**Seetan:2014:RRH**


**Sridhar:2007:AEN**

Sheng:2011:IA


Sehgal:2011:IRD


Sambo:2012:MMO


Sapin:2018:OME


Sun:2019:EMM


Spencer:2015:DLN


Tetsuo Shibuya. Fast hinge detection algorithms


Hiroki Sudo, Masanobu Jimbo, Koji Nuida, and Kana Shimizu. Secure


REFERENCES


Yinglei Song, Chunmei Liu, Xiuzhen Huang, Russell L. Malmberg, Ying Xu, and Liming Cai. Ef-

**Song:2006:CAP**


**Singh:2019:TSK**


**Song:2014:MSS**


**Song:2015:MLA**


**Shao:2018:OCG**


**Satya:2008:UIP**

[SM08] Ravi Vijaya Satya and Amar


<table>
<thead>
<tr>
<th>Reference</th>
<th>Authors</th>
<th>Title</th>
<th>Conference/Journal Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sirin:2017:BMT</td>
<td>Utku Sirin, Faruk Polat, and Reda Alhajj</td>
<td>Batch mode</td>
<td></td>
</tr>
</tbody>
</table>

Shehu:2019:GEA


Sengupta:2013:RKO


Sun:2014:MSA


Sajjadi:2014:NBM


Snir:2006:UMC

Snir:2010:QMD


Sarkar:2019:NAC


Srihari:2014:ECC


Shekhar:2018:STE


Scheid:2004:SDS


Sammeth:2006:CTR


Semple:2006:UNC

Sigdel:2016:FFS


Samaddar:2019:MDP


Sargsyan:2012:MSR


Suryanto:2018:SCC


Sun:2012:SSM


Seok:2015:ESA

Ho-Sik Seok, Taemin Song, Sek Won Kong, and Kyu-Baek Hwang. An efficient search algorithm for finding genomic-range overlaps

\textbf{Segar:2015:MTD} [SSML15]

\textbf{Sevilla:2005:CBG} [SSP+05]

\textbf{Sinha:2017:PDV} [SSP+17]

\textbf{Saraswathi:2011:IPE} [SSS+11]

\textbf{Shakya:2013:AWL} [SSS13a]
and Bioinformatics, 10(5):1241–1252, September 2013. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

**Subramanian:2013:NMS**


**Sung:2015:MLM**


**Shen:2005:DRB**


**Singh:2019:EPG**


**Shibuya:2015:GEI**


**Sevon:2006:TTP**

Petteri Sevon, Hannu Toivonen, and Vesa Ollikainen. TreeDT: Tree pattern min-


Miquel Salicru, Sergi Vives, and Tian Zheng. Inferential clustering approach for microarray experiments with replicated measurements. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 6


[Hai Su, Fuyong Xing, Jonah D. Lee, Charlotte A. Peterson, and Lin Yang. Automatic myonuclear detection in isolated single muscle fibers using robust ellipse fitting and sparse represen-}
REFERENCES

Shaik:2009:FAS


Song:2019:PGA


Seniya:2015:SSS

Chandrabhan Seniya, Ajay Yadav, G. J. Khan, and Nand K. Sah. In-silico studies show potent inhibition of HIV-1 reverse transcriptase activity by a herbal drug.

Stegmayer:2017:HCl


Saetre:2010:EPI


Shiraishi:2014:EVA

Fumihide Shiraishi, Erika Yoshida, and Eberhard O. Voit. An efficient and very accurate method for calculating steady-state sensi-
REFERENCES


**Shao:2013:UMB**


**Sadjad:2011:TRS**


**Shi:2019:CED**


**Sun:2011:CFS**


**Sankoff:2019:MSD**


**Tan:2011:IPK**

*TAAP11* Mehmet Tan, Mohammed

**Taha:2014:DSR**


**Taha:2018:IFP**


**Talinini:2010:CHA**


**Turner:2005:BMS**

Heather L. Turner, Trevor C. Bailey, Wojtek J. Krzanowski, and Cheryl A. Heming-


[Treangen:2009:NHL]


REFERENCES

Tenenhaus:2010:GAN


Tang:2013:MIC


Taliun:2016:FSB


Tomescu:2015:EWD


Tian:2018:GES


Thiele:2019:DOE

Sven Thiele, Sandra Heise, Wiebke Hessenkenper, Hannes Bongartz, Melissa Fensky, Fred Schaper, and Steffen Klamt. Designing optim...

**Tofigh:2011:SID**


**Thorvaldsen:2016:MMF**


**Tamada:2011:EGW**


**Title:2013:AI**


**Title:2016:IIA**


**Tseng:2005:EMG**

Tamura:2018:CMR

Tuller:2011:CEI

Tan:2008:NBP

Tu:2019:IGN

Torshizi:2018:SPI

Thireou:2007:BLS
REFERENCES

CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


[TTWR13] Tsai:2013:PBL

[Torres-Sanchez:2013:GFG] Torres-Sanchez:2013:GFG


[TW10] Tsang:2010:SP


Teng:2016:EGP

[TYL+16] Ben Teng, Can Yang, Jim-
ing Liu, Zhipeng Cai, and
Xiang Wan. Exploring the
genetic patterns of com-
plex diseases via the in-
tegrative genome-wide ap-
proach. *IEEE/ACM Trans-
ations on Computational
Biology and Bioinformatics,*
CODEN ITCBCY. ISSN
1545-5963 (print), 1557-9964
(electronic).

Tang:2016:NAF

[TZ16] Jian Tang and Shuigeng
Zhou. A new approach for
feature selection from mi-
croarray data based on mu-
tual information. *IEEE/
ACM Transactions on Com-
putational Biology and Bioin-
formatics,* 13(6):1004–1015,
November 2016. CODEN
ITCBCY. ISSN 1545-5963
(print), 1557-9964 (elec-
tronic).

Tang:2007:DTS

[TZH07] Yuchun Tang, Yan-Qing
Zhang, and Zhen Huang. [TZY11]
Development of two-stage
SVM-RFE gene selection
strategy for microarray
expression data analysis.
*IEEE/ACM Transactions on
Computational Biology and Bioin-
CODEN ITCBCY. ISSN 1545-5963
(print), 1557-9964 (elec-
tronic).

Thanh:2017:ECT

[TZP17] Vo Hong Thanh, Roberto
Zunino, and Corrado Pri-
ami. Efficient constant-
time complexity algorithm
for stochastic simulation
of large reaction networks.
*IEEE/ACM Transactions on
Computational Biology and Bioin-
CODEN ITCBCY. ISSN 1545-5963
(print), 1557-9964 (elec-
tronic).

Tino:2011:SCG

[TZY11] Peter Tiño, Hongya Zhao,
and Hong Yan. Search-
ing for coexpressed genes in
three-color cDNA microar-
ray data using a probabilistic
model-based Hough Trans-
form. *IEEE/ACM Transac-
tions on Computational Bi-
ology and Bioinformatics,* 8
CODEN ITCBCY. ISSN
1545-5963 (print), 1557-9964
(electronic).

Ullah:2016:GAC

[UAH16] Ehsan Ullah, Shuchin Aeron,
and Soha Hassoun. gEFM:
an algorithm for computing
elementary flux modes using
graph traversal. *IEEE/ACM
Transactions on Computational
Biology and Bioinformatics,*
CODEN ITCBCY. ISSN 1545-5963
(print), 1557-9964 (elec-
tronic).
Urban:2019:DLD


Unger:2010:LSG


Uehara:2009:PDC


Ushakov:2018:BLB


Urbini:2019:ERP


Ullah:2015:PUA

Valentini:2011:TPR


Venkatachalam:2010:UTC


Villaverde:2018:PTI


vanBerlo:2011:PMF


Vyas:2018:AGP


VanDyck:2019:RSP

Michiel Van Dyck, Xavier Woot de Trixhe, An Vermeulen, and Wim Vanroose. A robust simulator for physiolog-

**Vignes:2009:GCI**


**Verma:2019:POC**


**vanIersel:2009:CLP**


**vanIersel:2008:SIT**


**Viswanath:2018:CET**


**Vashist:2007:OCM**

References


REFERENCES

Verspoor:2010:ESB


Vasic:2012:ITA


Venkateswaran:2011:TTF


Vass:2006:JMB


Vilor-Tejedor:2016:EPM


Weidman:2019:SIP

Jake Weidman, William Au-rite, and Jens Grossklags. On sharing intentions, and


Wang:2012:EMM


Wang:2019:MMV


Wang:2018:PHR

Haishuai Wang, Zhicheng Cui, Yixin Chen, Michael Avidan, Arbi Ben Abdallah, and Alexander Kronzer. Predicting hospital read-


Wang:2015:BMM

Beichen Wang, Xiaodong Chen, Hiroshi Maniatis, and Shanfeng Zhu. BMExpert: Mining MEDLINE for

**Wang:2019:DDR**


**Wang:2007:ACC**


**Wu:2018:UDL**


**Wiese:2008:REA**


**Wang:2017:SAL**


**Wu:2012:BIC**


[Wan:2015:PPL] Cen Wan, Alex A. Freitas, and João Pedro De Magalhães. Predicting the pro-


REFERENCES


REFERENCES

Willson:2011:RNC


[Will11]

Willson:2012:CHB


[Wil12]

Wiedenhoeft:2011:PMI


[WKE11]

[WL11]

Wang:2012:NEA


[Wan:2007:CCN]


[Wang:2011:IAF]


[LWLHY19] Yanbo Wang, Quan Liu, Shan Huang, and Bo Yuan. Learning a structural and functional representation for gene expressions: To systematically dissect complex can-


REFERENCES


2017. CODEN ITBCCY.
ISSN 1545-5963 (print),
1557-9964 (electronic).

ISSN 1545-5963 (print),
1557-9964 (electronic).

ISSN 1545-5963 (print),
1557-9964 (electronic).

ISSN 1545-5963 (print),
1557-9964 (electronic).

ISSN 1545-5963 (print),
1557-9964 (electronic).

ISSN 1545-5963 (print),
1557-9964 (electronic).


[Wang:2008:DCO]


[Wang:2012:CAD]


[Wong:2015:DBC]


[Wu:2010:ECC]


[Wu:2011:NMI]

Yufeng Wu. New methods


Wang:2016:KBP

Wei:2019:FPP

Weyenberg:2017:NKB

Wang:2017:PSP

Wu:2007:QBP

Wang:2016:GES
Chao Wang, Hong Yu, Aili Wang, and Kai Xia. Guest editorial for special section on big data computing and processing in computational biology and bioinformatics. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 13(5):
REFERENCES


Jianxin Wang, Jianchong Zhong, Gang Chen, Min Li, Fang xiang Wu, and Yi Pan. ClusterViz: a cytoscape APP for cluster analysis of biological net-

**Wang:2012:RCM**


**Wang:2018:CDB**


**Xu:2007:MCC**


**Xu:2014:FIN**


**Xia:2018:STS**

Jeanette Schmidt. Guest editors introduction to the special section on software

Xie:2018:AGS

Xi:2016:DRC

Xu:2018:IBI

Xu:2019:LRE
Bo Xu, Hongfei Lin, and Yuan Lin. Learning to refine expansion terms for biomedical information retrieval using semantic resources. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 16(3):954–966, May 2019. CODEN ITCBCY. ISSN


REFERENCES


Xu:2015:EEC


Xu:2016:IDA


Xie:2015:LFA


Xie:2015:LF


Xie:2016:AHA


Xie:2016:AHA


Xie:2019:EEM


Xiong:2007:DDK

[XZC07] Huilin Xiong, Ya Zhang, and Xue-Wen Chen. Data-

**Xie:2015:CTC**


**Xu:2018:ESB**


**Xu:2014:BSB**


**Yang:2013:PEL**


**Yu:2008:CAA**

REFERENCES

You:2010:UGP


Yin:2008:NAC


Yuan:2012:SRN


Yu:2013:HFC


Yu:2014:DSB


Yu:2015:AFC

REFERENCES

Yang:2012:MPD

Yuan:2018:GIH

Yao:2008:EAE

Yoo:2017:IIK

Yu:2016:PPF

Yu:2018:NPN
Guoxian Yu, Guangyuan Fu, Jun Wang, and Ying-

Yu:2019:HPB


Yuan:2019:IMO


Yu:2013:NFV


Yu:2012:SGS


Yang:2019:RHD


Yu:2015:EEA

Qiang Yu, Hongwei Huo,

**Yang:2013:CPP**


**Yang:2012:PRP**


**Yan:2017:NNP**


**Yerneni:2018:IIS**

REFERENCES

ISSN 1545-5963 (print), 1557-9964 (electronic).

**Yoon:2012:SLP**


**Yang:2013:EBC**


**Ye:2015:GAM**


**Yu:2015:DCP**


**Yu:2006:MPA**


**Ye:2004:UUD**

[YLXJ04] Jieping Ye, Tao Li, Tao Xiong, and Ravi Janardan. Using uncorrelated discriminant analysis for tissue classification with gene expression data. *IEEE/ACM Transactions on Computa-

[Yan:2017:TNW]


[Yu:2012:STS]


[Yang:2011:RFS]

[YN14] Hualong Yu and Jun Ni. An improved ensemble learning method for classifying high-dimensional and imbalanced biomedicine data.

**Yoon:2005:DCB**


**Yue:2018:SGS**


**Yoruk:2011:CSM**


**Yukinawa:2009:OAB**


**Yu:2013:HCH**

Tianwei Yu and Hesen Peng. Hierarchical clustering of

**Yu:2011:INR**


**Yu:2013:PFP**


**Yu:2014:EPF**

Yu:2015:PPF


**Yu:2014:PFP**


**Yoo:2017:GES**


REFERENCES


Yu:2018:PFN


Yu:2018:NFN


Yuan:2017:NPB


Zhu:2009:GGA

Zhao:2011:MKI


Zimek:2010:SHF


Zhang:2015:GES


Zhang:2018:HSB

Zhang:2017:TPI


Zhu:2019:ARC


Zhang:2017:TDP


Zhang:2012:PCD


Zeng:2019:NLP

REFERENCES

ISSN 1545-5963 (print), 1557-9964 (electronic).

Zhu:2017:ISI

Zhao:2019:PPI

Zoppis:2012:MIO

Zhang:2005:PMF

Zhu:2016:CPE

Zha:07
Louxin Zhang. Superiority of spaced seeds for homology
REFERENCES


Zhu:2019:TSS


Zhang:2018:AIP


Zhao:2016:DMS


Zhao:2017:ENE


Zhao:2017:MVC

Yong Zhang, Xiaohua Hu, and Xingpeng Jiang. Multi-

**Zhao:2014:CGE**


**Zhao:2016:PBN**


**Zhao:2018:BMV**


**Zhang:2007:MCU**


**Zhi:2007:CBA**

Zhang:2019:TGP


Zrimec:2015:FPD


Zou:2019:AML


Zhang:2012:QDS


Zhang:2017:CPP


Zheng:2017:CFF


Zheng:2017:MMA

Weihua Zheng, Kenli Li, Keqin Li, and Hing Cheung So. A modified multiple alignment Fast Fourier Transform with higher effi-

**Zeng:2017:PVD**


**Zhang:2016:IGM**


**Zhu:2015:PIM**

Zhu, Xiangyuan; Li, Kenli; Salah, Ahmad; Shi, Lin; and Li, Keqin. Parallel implementation of MAFFT on CUDA-enabled graphics hardware.

**Zhang:2019:CMV**

Zhang, Jun-Ping; Liu, Yi; Sun, Wei; Zhao, Xiao-Yang; Ta, La; and Guo, Wei-Sheng. Characteristics of myosin V processivity. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 16(4):1302–1308, July 2019. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).

**Zhang:2011:PTN**


**Zhang:2019:DPC**

Zhang, Yi-Yan; Li, Qin; Xin, Yi; and Lv, Wei-Qi. Differentiating prostate cancer from benign prostatic hyperplasia using PSAD based


**Zhang:2017:DCN**

**Zeller:2014:GAP**

**Zarai:2013:EES**

**Zarai:2014:MPT**

**Zou:2013:BNM**
Yi Ming Zou. Boolean networks with multiexpressions...

**Zhao:2008:ICG**


**Zhao:2014:PEM**

Choujun Zhan, Wuchao Situ, Lam Fat Yeung, Peter Wai-Ming Tsang, and Genke Yang. A parameter estimation method for biological systems modelled by ODE/DDE models using spline approximation and differ-

**Zhong:2019:FEF**


**Zhan:2014:PEM**

Choujun Zhan, Wuchao Situ, Lam Fat Yeung, Peter Wai-Ming Tsang, and Genke Yang. A parameter estimation method for biological systems modelled by ODE/DDE models using spline approximation and differ-

**Zhao:2008:ICG**


**Zhan:2014:PEM**

Choujun Zhan, Wuchao Situ, Lam Fat Yeung, Peter Wai-Ming Tsang, and Genke Yang. A parameter estimation method for biological systems modelled by ODE/DDE models using spline approximation and differ-

**Zhong:2019:FEF**

ential evolution algorithm. 

**Zhu:2013:EAZ**


**Zhang:2015:II**


**Zhang:2017:CFG**


**Zhong:2017:PII**


**Zhang:2017:MOP**


**Zhao:2011:ASB**

Liang Zhao, Limsoon Wong, and Jinyan Li. Antibody-specified B-cell epitope prediction in line with the principle of context-awareness.

Zeng:2012:HES


Zhang:2014:SBN


Zhang:2015:SAS


Zheng:2017:AOI


Zhu:2010:FSG


Zhang:2016:GAS


Zhao:2011:ASM


Zhang:2018:CDE

Wei Zhang, Jia Xu, Yuanyuan

**Zhang:2018:DEP**


**Zhou:2018:STM**


**Zhang:2013:MAD**


**Zhang:2017:PCI**


**Zhang:2013:SAM**

REFERENCES


Zhang:2015:NMD

Zhang:2018:DMD

Zeng:2010:SSC

Zhu:2013:ISI

Zhu:2013>IDB
Yuan Zhu, Weiqiang Zhou, Dao-Qing Dai, and Hong Yan. Identification of DNA-binding and protein-binding proteins using enhanced graph wavelet features. *IEEE/ACM Trans-
actions on Computational Biology and Bioinformatics, 10(4):1017–1031, July 2013. CODEN ITCBCY. ISSN 1545-5963 (print), 1557-9964 (electronic).


[ZZN11a] Chun-Hou Zheng, Lei Zhang, To-Yee Ng, Chi Keung Shiu, and De-Shuang Huang. Metasample-based sparse representation for tumor

**Zheng:2011:MPD**


**Zheng:2007:RNA**


**Zhang:2015:FMA**


**Zhang:2018:EMS**


**Zhang:2019:MPM**


**Zheng:2017:EPC**

Gui-Jun Zhang, Xiao-Gen Zhou, Xu-Feng Yu, Xiao-Hu Hao, and Li Yu. Enhanc-

**Zhang:2017:FAE**